

Le, Khanh H. (AU2761)

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**From:** TMclaughlin@fulcrumanalytics.com  
**Sent:** Friday, February 15, 2002 6:07 PM  
**To:** khanh.le2@uspto.gov  
**Cc:** BSaba@fulcrumanalytics.com  
**Subject:** RE: information request

Dear Mr. Le:

The "Consumer Value Metrics Benchmark Segmentation Model" was posted to our Web site on November 11, 2001. The "Consumer Value Metrics Management Report 2001" was published on November 15, 2001.

Please contact me with any additional questions.

Sincerely,  
Tara McLaughlin  
Fulcrum Analytics, Inc. (formerly Cyber Dialogue Inc.)  
212-651-7012

Khanh.Le2@USP  
TO.GOV

02/12/2002  
12:31 PM

To: bsaba@fulcrumanalytics.com  
cc:  
Subject: information request

To : Mr. Bob Saba

I'd very much appreciate your help in determining the exact date in 2001 on which the following article

"Consumer Value Metrics Benchmark Segmentation Model"

was posted at

[http://www.cyberdialogue.com/solutions/cvm/benchmark\\_model.html](http://www.cyberdialogue.com/solutions/cvm/benchmark_model.html)

Also, if you could help me determine the exact date in 2001 the following report

"The Consumer ValueMetrics (CVM) Management Report 2001"

was published, I'd very much appreciate.

Thank you so much.

Khanh H. Le  
Patent Examiner  
U.S. Patent and Trademark Office  
Art Unit 2162  
RE:khanh.le2@uspto.gov

Downloaded from :

[http://www.cyberdialogue.com/solutions/cvm/benchmark\\_model.html](http://www.cyberdialogue.com/solutions/cvm/benchmark_model.html) 2/7/2002

## Consumer Value Metrics Benchmark Segmentation Model

The Consumer Value Metrics (CVM) Benchmark Segmentation Model is a multivariate cluster analysis of the commercial value of U.S. online adults. The model describes 12 segments of adults who share similar value generation characteristics, including value generated both online and offline as a result of online activity. The Consumer Value Metrics (CVM) Management Report 2001 summarizes this analysis.

The CVM Model establishes a value-sensitive context for understanding and targeting multi-channel consumers to increase ROI. It identifies which target segments offer the most promising payback via either online or offline channels for any given type of business. Each segment can be profiled and evaluated for its propensity to purchase specific types of products and services, as well as by shopping channel and shopping style preferences.

The benchmark model is currently optimized to provide strategic insights and target marketing profile data for the emerging generation of high value multi-channel consumers. These are consumers who incorporate the Internet in some way into their product/service seeking and transacting. Some seek product information online and purchase offline. Some purchase directly online. Some rely on the Internet for customer service, whether or not they purchase online.

In financial services, multi-channel customers rely on multiple banking or brokerage channels, typically adding to service costs while driving new revenue. In entertainment, multi-channel consumers may sample music online but

purchase offline, or they may visit TV or movie-related sites, creating new channels to build customer databases and relationships. Understanding which target segments possess these differing response characteristics is essential for contextualizing marketing campaigns and building effective targeting strategies.

#### Specific Uses of the CVM Model

Value Indexing

Customizable to Serve Proprietary Marketing Goals

Contact Information

#### Specific Uses of the CVM Model

Available as both a published benchmark model for strategic planning and customized for developing proprietary marketing goals, the CVM Model can be used for a variety of specific purposes, such as to:

Assess the potential of different marketing, customer service and CRM strategies involving online adults by building scenarios that reflect value-sensitive assumptions about specific target segments.

Estimate the size of target consumer markets based on value metrics rather than indirect predictors such as demographics or psychographics.

Analyze and segment Web site visitors and customer databases based on their actual and potential value.

Develop customized value-sensitive predictive models for proprietary marketing and CRM campaigns.

#### Value Indexing

##### The CVM Benchmark Model

reveals that certain consumer segments are more likely than others to respond either online or offline to product offers, online ads, customer support services and brand loyalty incentives.

Responsiveness also varies by type of content and service.

Understanding these trade-offs is crucial to building strategies that

truly increase ROI on marketing and Web site investments.

The Fulcrum Analytics Consumer Value Index (CVI) is designed to provide fast, easy-to-use "value snapshots" of target market segments. Examples of CVI ratings are seen at right. A score of 100 represents the value of all U.S. online adults on a given index. Scores above 100 represent the most valuable segments for any given index. Over 40 standard CVI indices have been created, some of which are listed below. These indices can be combined or redefined to test and score different types of marketing value assumptions.

#### Customizable to Serve Proprietary Marketing Goals

The CVM Benchmark Segmentation Model is designed both as a standalone strategy-planning tool and as a customizable model that can be tailored to specific business and marketing objectives. The model can be customized by:

- Tuning the Consumer Value Index to a client's specific mix of business, marketing and CRM goals and resources in order to evaluate how target segments contribute to ROI.

- Re-designing the underlying multi-variate cluster model to reflect specific value factors that are more directly relevant to a client than those used in the benchmark model. For example, it is possible to build a CVM Retail, CVM Health, CVM Personal Finance, or a CVM Media & Entertainment cluster model, as well as models that benchmark other sectors.

- Developing a totally new customer segmentation model reflective of CVM Benchmark Model insights but designed specifically around a client's proprietary business criteria.

The Management Report (table of contents available separately) of the 2001 CVM Benchmark Segmentation Model is available in print supported by detailed data tables and the Consumer Value Index. Please inquire.

For More Information



Contact Bob Saba at (212) 651-9241, or email:  
[bsaba@fulcrumanalytics.com](mailto:bsaba@fulcrumanalytics.com) .

[Top of Page](#) | [Print this Page](#)

### Initiative 3

#### Market Segmentation and Product Positioning

##### Coordinator

Mazanec Josef  
Institute for Tourism and Leisure Studies  
Vienna University of Economics and Business Administration  
Augasse 2-6  
1090 Vienna  
Austria

##### Our Field of Research

The marketing research Initiative aims at developing explanatory and decision models which optimize market segmentation and product positioning strategies simultaneously. In the solutions available so far some of

the 'free' parameters (number of product attribute dimensions, number of consumer segments, brands in the consumer's consideration set) must be fixed in advance while the marketing analyst would prefer to avoid

these arbitrary decisions. Traditional statistical as well as neurocomputing methodology will be explored to achieve this goal. The long-term objectives are linked to the Artificial Factory concept. The marketing Initiative

will contribute to building the dynamic market environment for the 'learning' firm. This will happen on the macro (market response functions) and micro (consumers' choice behaviour) levels of analysis. Once the

Artificial Factory/Consumer Markets system is operative a variety of segmentation/positioning strategies may be evaluated experimentally.

##### Our Research Plan

Our Research Initiative pursues short-term and long-term objectives. It is realistic to foresee a duration of 3 years for meeting the short-term objectives and to envisage another period of 3 years for the long-term

targets. The research plan for the starting period is elaborated in detail. The follow-up objectives for the extension period are outlined briefly, assuming that the progress made during the years 1-3 works out as expected.

##### Short-term objectives

In the short run (i.e. during the years 1-3) the emphasis is on the evaluation and development of approaches to tackle the combined market segmentation/product positioning problem. These efforts depend on close cooperation with the research teams in Initiatives 'Computational Intelligence' and 'Statistical Modelling'.

In the first stage it is imperative to rely on simulated data, to gain a proper understanding of the operation of various neurocomputing architectures. Later on it will be appropriate to customize existing or to tailor new neural network architectures to match with real-world segmentation/positioning tasks and to compare them with conventional statistical methodology.

#### Long-term objectives

In the long run (years 4-6) our Research Initiative will couple with the intermediate results of the 'artificial life' Initiative. It complements the Artificial Factory concept in two ways:

First, it helps to create artificial consumer markets responding to the Factory's market conduct. The marketing scientists will be responsible for designing 'learning' consumers (types) with a different cognitive algebra. The character and variations of product features (denotative and/or connotative), the acquisition of product comprehension, and the adaptive development of consumers' preferences and choice rules are required to expose the Artificial Factory to a dynamic environment of the consumer market.

Second, it elaborates (combined) market segmentation and product positioning strategies for the Artificial Factory to be examined experimentally. The strategic planning and marketing literature abounds with 'recipes' on how to evaluate one's product portfolio, how to condense consumer perceptions and preferences, how to derive segments (if any), how to select brand attributes and communication contents. These policy recommendations nicely lend themselves to experimentation in an evolutionary but nevertheless 'controlled' (parameterized) setting.

Report on Research Initiative Nr. 3  
Prof. Mazanec

" Market Segmentation and Product Positioning  
on Artificial Consumer Markets"

The Research Initiative 3 of the SFB on Adaptive Modelling has been focussing on developing and improving analytical and strategic tools for consumer marketing. Within the interdisciplinary framework of the Artificial

Economy project this research group is elaborating the components of the simulation environment modelling the consumer behaviour on disaggregate level.

During the first tri-annual research period the foundations for a new managerial approach to market segmentation and product positioning were established. This concept named PBMS—Perceptions-Based Market

Segmentation, centres on the attributes of rivalling brands as perceived by the consumers. Perceptions are subjective and group-specific. They influence the purchase decision and are loosely connected to physical

attributes in many product classes. PBMS rests on the assumption that consumer preferences are not the sole determinants of consumer behaviour. The current perceptual profiles of the product brands are equally

important. The marketing group is also advancing the methodology for response-based segmentation capable of taking the consumers unobserved heterogeneity into account.

The contribution of the marketing group to the Artificial Economy project has been coined SIMSEG, an acronym for Simulation Environment for Market Segmentation and Positioning. The artificial consumers in this

simulation environment resemble their real world counterparts in many important facets and behaviours: They use a consumer language which is strongly influenced by advertising and differs from the expert language

of product designers and engineers. They form expectations by receiving advertising messages and acquire experience through purchasing and consumption as well as by word-of-mouth. Divergent expectations and

experience lead toward disappointment and dissatisfaction and increase reactance vis-à-vis advertising. Satisfaction promotes brand loyalty.

A major concern of the Artificial Economy is the experimental examination of various analytical and planning strategies applied to different market structures and organizational set-ups of the Artificial Firm. Particular

emphasis is on exploring the opportunities for coordinated planning in a learning organisation. The organizational units ('agents') in production, finance and marketing are put under pressure to detect the most efficient

analytical methods and cooperation strategies for an environment of varying complexity and changeability. The Artificial Consumer Market offers a number of characteristics that may be manipulated in a simulation

experiment:

number of consumer segments differing in terms of group-specific perceptions or preferences, the strength of relationships between perceptions and preferences or the intensity of product involvement;

rationality constraints ('bounded rationality') according to the rules of brand choice where the consumers do not necessarily pursue the same 'cognitive algebra';

measurability of the consumers' cognitive processes causing fuzzy or simple-structured market response;

the extent of communicative networking in the market, slow or quick penetration of product comprehension among the consumer population.

The marketing group is also collaborating in constructing the analytical and planning instruments ('agents') of the Artificial Firms. From the perspective of marketing research those simulation experiments are most

intriguing and instructive that evaluate the managerial consequences of highly sophisticated methods compared to simple decision rules and limited problem-solving.

Latest

Update: 08. Mai 01 by ML

Adaptive Information Systems and Modelling in Economics and Management Science  
Mail to: [sfb-admin@wu-wien.ac.at](mailto:sfb-admin@wu-wien.ac.at)

## Le, Khanh H. (AU2761)

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**From:** Holloway, David (ASRC)  
**Sent:** Tuesday, February 05, 2002 12:30 PM  
**To:** Le, Khanh H. (AU2761)  
**Subject:** Search on customer segmentation

Set	Items	Description
S1	1	AU=(GORENSTEIN A? OR GORENSTEIN, A?)
S2	79969	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?)(5N)(FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	393763	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINAN()ANALYS? OR TREE()INDUCT? - OR CHAID OR THAID
S4	84659	DATABASE? OR DATA()BASE? OR BANK? OR FILE? OR MINE? OR MI-NING) OR DATAMIN? OR DATAFILE?
S5	2738835	COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULT-ANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?
S6	4672881	MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONAL? OR - VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR NEXT?
S7	4049161	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	67401	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET(2N)MARKET?

Examiner Khanh Le:

Attached please find the results of your search request re: System for composite customer segmentation.

Please let me know if you would like a redirected search with a different strategy or additional terminology.

David Holloway  
308-7794

Set	Items	Description
S1	0	AU=(GORENSTEIN A? OR GORENSTEIN, A?)
S2	449	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	11982	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINAN()ANALYS? OR TREE()INDUCT? - OR CHAID OR THAID
S4	0	(S2 OR S3) (5N) (DATABASE? OR DATA() (BASE? OR BANK? OR FILE? OR MINE? OR MINING) OR DATAMIN? OR DATAFILE?)
S5	0	S4(5N) (COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULTANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?)
S6	0	S5(S) (MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONA- L? OR VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR - NEXT?)
S7	68945	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	29394	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET(2N)MARKET?

File 475:Wall Street Journal Abs 1973-2002/Feb 05  
(c) 2002 The New York Times



Set	Items	Description
S1	73	AU=(GORENSTEIN A? OR GORENSTEIN, A?)
S2	228339	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	3574724	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINANT() ANALYS? OR TREE() INDUCT? OR CHAID OR THAID
S4	1846526	DATABASE? OR DATA() (BASE? OR BANK? OR FILE? OR MINE? OR MINING) OR DATAMIN? OR DATAFILE?
S5	4383789	COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULTANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?
S6	7418681	MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONAL? OR - VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR NEXT?
S7	5401316	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	588011	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET (2N) MARKET?
S9	30582	(S2 OR S3) (S) S4 (S) S5
S10	16932	S6 (S) S9
*S11	7065	S10 (S) S7
S12	300	S11 (S) S8
S13	1784	(S2 OR S3) (5N) S4 (5N) S5
S14	12	S12 AND S13
S15	49	S13 (5N) S6 (S) S7
S16	58	S14 OR S15
S17	56	RD (unique items)
S18	56	S17 NOT PY>2001
S19	55	S18 NOT PD>20010123
S20	11	S19 AND (S8 OR MARKET? OR SELL? OR VEND? OR SALES OR RETAIL? )
S21	2325	S4 (5N) S5 (5N) S6
S22	0	S19 AND DATAMIN?
S23	25	S19 AND S21
S24	35	S14 OR S20 OR S23
S25	33	RD (unique items)
S26	33	S25 NOT PY>2001
S27	33	S26 NOT PD>20010123
File	1:ERIC	1966-2002/Feb 05 (c) format only 2002 The Dialog Corporation
File	7:Social SciSearch(R)	1972-2002/Feb W1 (c) 2002 Inst for Sci Info
File	11:PsycINFO(R)	1887-2002/Jan W2 (c) 2002 Amer. Psychological Assn.
File	21:NCJRS	1972-2001/Dec (c) format only 2002 The Dialog Corporation
File	35:Dissertation Abs Online	1861-2002/Feb (c) 2002 ProQuest Info&Learning
File	37:Sociological Abstr.	1963-2001/Dec (c) 2002 Cambridge Scient. Abstr.
File	49:PAIS INT.	1976-2001/Dec (c) 2002 Public Affairs Information Service
File	88:Gale Group Business A.R.T.S.	1976-2002/Feb 06 (c) 2002 The Gale Group
File	94:JICST-EPlus	1985-2002/Dec W4 (c) 2002 Japan Science and Tech Corp(JST)
File	121:Brit.Education Index	1976-2001/Q4 (c) 2001 British Education Index
File	142:Social Sciences Abstracts	1983-2001/Dec (c) 2002 The HW Wilson Co
File	144:Pascal	1973-2002/Feb W1 (c) 2002 INIST/CNRS
File	163:Ageline(R)	1965-2001/Dec (c) format only 2001 The Dialog Corp.
File	171:Criminal Justice Periodical Index	1975-1998/Dec (c) 1998 ProQuest
File	232:App. Soc. Sci. Index & Abs.	1987-2002/Jan (c) 2002 Reed Elsevier

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File 436: Humanities Abs Full Text 1984-2001/Dec  
(c) 2002 The HW Wilson Co  
File 468: Public Opinion 1940-2002/Feb W1  
(c) 2002 Roper Ctr for Pub Opinion Res  
File 482: Newsweek 2000-2002/Feb 05  
(c) 2002 Newsweek, Inc.

27/3,K/1 (Item 1 from file: 1)

DIALOG(R)File 1:ERIC

(c) format only 2002 The Dialog Corporation. All rts. reserv.

01059310 ERIC NO.: EJ605356 CLEARINGHOUSE NO.: IR541910

Database Merging Strategy Based on Logistic Regression.

Le Calve, Anne; Savoy, Jacques

Information Processing & Management, v36 n3 p341-59 May 2000  
2000 (20000000)

Presents a new **model** for combining **multiple** sources of evidence in **database merging** based on logistic **regression**, and occurring only when **ranks** are available as a key to be used to merge different **ranked** lists obtained by various retrieval schemes. Results indicate better retrieval effectiveness than other approaches. (LRW)

27/3,K/2 (Item 2 from file: 1)

DIALOG(R)File 1:ERIC

(c) format only 2002 The Dialog Corporation. All rts. reserv.

00988416 ERIC NO.: ED422014 CLEARINGHOUSE NO.: IR057138

IOLS '98. Proceedings of the National Conference on Integrated Online Library Systems (13th, New York, New York, May 13-14, 1998).

Cibbarelli, Pamela R., Comp.; Nixon, Carol, Comp.

161pp.

May 1998 (19980500)

**Integrated** Online Library Systems (IOLS) focuses exclusively on the issues of planning and managing automated systems...

...references to all speakers and topics. Papers include: "The Old Complements the New: An Online **Vendor Ranks** Library Publications about the Web" (Jane Bambrick); "Collection Development Decisions in a World Wide Web...

...Thomas T. Surprenant, Virgil L. Blake); "Crafting the Library Home Page: Creativity, Consensus, and the **Customer**" (Dennis R. Brunning, Philip J. Konomos); "Making the Transition from a Card Catalog to an...

...of Answers to Your RFP Questions" (Gloria Dinerman); "The Development of a Course Guide: The **Integrated** Subject Guide **Model** of Customized Information Retrieval" (Mary A. Doyle); "Using **Database** Management Systems to Implement an IOLS" (Mark K. Dzurinko, Nina Platt); "Creating a Virtual Library...

...Know" (Carol J. Knoblauch); "Project Whistlestop: Design Considerations for Information Retrieval Performance in an Image **Database**" (Thomas R. Kochtanek, James M. Laffey); "It Takes a Team: Designing an Effective Library Web Page" (Annette M. LeClair); "Interface to **Multiple** Web Sites: Partnership Search Center" (Aline Martinez, Selena A. Ramkeesoon); "Organizing, Reorganizing and Maintaining a...

27/3,K/3 (Item 3 from file: 1)

DIALOG(R)File 1:ERIC

(c) format only 2002 The Dialog Corporation. All rts. reserv.

00885943 ERIC NO.: ED373615 CLEARINGHOUSE NO.: HE027601

From Retention to Satisfaction: New Outcomes for Assessing the Freshman Experience. AIR 1994 Annual Forum Paper.

Sanders, Liz; And Others

21pp.

May 1994 (19940500)

NOTES: Paper presented at the Annual Forum of the Association for Institutional Research (34th, New Orleans, LA, May 29-June 1 1994).

To meet accountability challenges from a **customer** -satisfaction

perspective, an urban institution of higher education has developed an **integrated** approach to studying the freshman year experience in **order** to develop comprehensive outcomes measures for assessing freshman success. **Multiple** sources of data (freshman satisfaction survey data, enrollment data, and academic performance data) are **integrated** into a **database** which provides the institution with a comprehensive set of outcome indicators and a **model** of the freshman experience. The **integrated** dataset is used to develop **models** of freshman retention. In **order** to focus more clearly on **customer** satisfaction, **models** of student satisfaction were developed to determine critical components in freshman satisfaction. Implications for institutional research include: (1) researchers can use **integrated** freshman **databases** to provide more comprehensive outcomes assessment measures; (2) **integrated** data providing a comprehensive picture of the freshman experience provides decision makers with more useful information for developing successful institutional strategies; (3) researchers can develop longitudinal **databases** and institution-specific **models** of the freshman experience; and (4) this **integrated** analysis uses a total quality approach to understanding the freshman experience. (Author/JB)

27/3,K/4 (Item 1 from file: 7)  
DIALOG(R)File 7:Social SciSearch(R)  
(c) 2002 Inst for Sci Info. All rts. reserv.

03599835 GENUINE ARTICLE#: 414WY NO. REFERENCES: 42  
**TITLE: Map-centred exploratory approach to multiple criteria spatial decision making**  
AUTHOR(S): Jankowski P (REPRINT); Andrienko N; Andrienko G  
CORPORATE SOURCE: Univ Idaho, Dept Geog, Moscow//ID/83843 (REPRINT); Univ Idaho, Dept Geog, Moscow//ID/83843; GMD, German Natl Res Ctr Informat Technol, D-53754 Sankt Augustin//Germany/  
JOURNAL: INTERNATIONAL JOURNAL OF GEOGRAPHICAL INFORMATION SCIENCE, 2001, V 15, N2 (MAR), P101-127  
PUBLISHER: TAYLOR & FRANCIS LTD, 11 NEW FETTER LANE, LONDON EC4P 4EE, ENGLAND  
ISSN: 1365-8816  
LANGUAGE: English DOCUMENT TYPE: Article  
(ABSTRACT AVAILABLE)

...ABSTRACT: decision space and multicriterion evaluation results. Maps becomes a 'visual index' through which the user **orders** decision options, assigns priorities to decision criteria, and augments the criterion outcome space by map...

...the additional means of structuring multicriterion spatial decision problems we present an experimental use of **data mining**, **integrated** with dynamic maps and **multiple** criteria decision **models**, in **order** to reduce a problem's dimensionality. We conclude the paper with future research directions emphasising...

27/3,K/5 (Item 2 from file: 7)  
DIALOG(R)File 7:Social SciSearch(R)  
(c) 2002 Inst for Sci Info. All rts. reserv.

03337371 GENUINE ARTICLE#: 204AF NO. REFERENCES: 5  
**TITLE: Grainger Engineering Library: An object-enhanced user interface for information retrieval**  
AUTHOR(S): Johnson EH  
JOURNAL: SCIENCE & TECHNOLOGY LIBRARIES, 1999, V17, N3-4, P183-207  
PUBLISHER: HAWORTH PRESS INC, 10 ALICE ST, BINGHAMTON, NY 13904-1580  
ISSN: 0194-262X  
LANGUAGE: English DOCUMENT TYPE: Article  
(ABSTRACT AVAILABLE)

...ABSTRACT: user interfaces provide searchers with neither the power nor the flexibility required for effectively searching **multiple**

databases . Nor do they exploit the existing power of PCs or make good use of client-server technology as a whole. IODyne is an example of an information retrieval client that views databases and queries as objects which you can combine arbitrarily. It has a commandless, hypertextual user interface incorporating modelessness , direct manipulation, feedback, and object persistence. It uses multiple windows to show multiple views of databases simultaneously , and allows you to arbitrarily juxtapose these views. Besides bibliographic retrieval, IODyne provides navigational tools for subject thesauri, classification systems, keyword-in-context (KWIC) databases , and other term suggestion services, represented as distributed objects which are all integrated into a seamless drag-and-drop environment. Persistent representations of sets of queries and repositories...

...

27/3,K/6 (Item 3 from file: 7)  
DIALOG(R)File 7:Social SciSearch(R)  
(c) 2002 Inst for Sci Info. All rts. reserv.

03006520 GENUINE ARTICLE#: WG884 NO. REFERENCES: 21  
TITLE: The pattern-of-care model: A tool for planning community mental health services  
AUTHOR(S): Meadows G; Gielewski H; Falconer B; Kelly H; Joubert L; Clarke M  
CORPORATE SOURCE: UNIV MELBOURNE, ROYAL PK HOSP, DEPT PSYCHIAT, PRIVATE BAG 3/PARKVILLE/VIC 3052/AUSTRALIA/ (REPRINT); VICTORIA UNIV TECHNOL, DEPT MATH & COMP SCI/MELBOURNE/VIC 3000/AUSTRALIA/; NW AREA MENTAL HLTH SERV,/MELBOURNE/VIC/AUSTRALIA/; VICTORIAN HLTH & COMMUNITY SERV, WESTERN REG, PSYCHIAT SERV/MELBOURNE/VIC/AUSTRALIA/  
JOURNAL: PSYCHIATRIC SERVICES, 1997, V48, N2 (FEB), P218-223  
PUBLISHER: AMER PSYCHIATRIC ASSOCIATION, 1400 K ST NW, WASHINGTON, DC 20005  
ISSN: 1075-2730  
LANGUAGE: English DOCUMENT TYPE: Article  
(ABSTRACT AVAILABLE)

...ABSTRACT: support such decision making, a public-sector psychiatric service in Melbourne, Victoria, Australia, developed a modeling tool that combines data from its service activity database and budgetary information with modeling techniques based on use of a spreadsheet. The model is based on clients' use of three major service components: the inpatient unit, continuing clinical care and consultancy services, and crisis assessment and treatment services. It classifies clients according to patterns of care—that is, whether they used one, two, or three of the components, in various combinations. The authors report service use and financial data derived from the model for the financial year 1992-1993. They describe two scenarios for using the model to project changes in patterns of care and costs when new services are implemented. Such a model can clarify costs, including opportunity costs, of management decisions and facilitate participation of senior clinicians...

27/3,K/7 (Item 1 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
(c) 2002 Amer. Psychological Assn. All rts. reserv.

01655388 2000-05036-002  
The Stress and Coping Inventory: An educational and research instrument.  
AUTHOR: Rahe, Richard H.; Veach, Tracy L.; Tolles, Robbyn L.; Murakami, Ken  
AUTHOR AFFILIATION: Veterans' Affairs Medical Ctr--Sierra Nevada Health Care System--Dept of Research, Reno, NV, US  
JOURNAL: Stress Medicine, Vol 16(4), 199-208, Jul, 2000  
PUBLISHER: John Wiley & Sons Inc--US--http://www.wiley.com

...ABSTRACT: and coping indicators were all in the predicted direction and several were at moderately high orders of magnitude. Analysis of variance was carried out for stress and coping measures according to Ss' reports of recent health problems. Stepwise multiple regression

analysis was done, including validation and **cross** validation. (PsycINFO  
**Database** Record (c) 2000 APA, all rights reserved)

27/3,K/8 (Item 2 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
(c) 2002 Amer. Psychological Assn. All rts. reserv.

01624190 1999-13058-003

**Subjective well-being and social production functions.**

AUTHOR: Ormel, Johan; Lindenberg, Siegwart; Steverink, Nardi; Verbrugge,  
Lois M.

AUTHOR AFFILIATION: U Groningen--School for Behavior & Cognitive  
Neurosciences--Dept of Psychiatry, Groningen, Netherlands

JOURNAL: Social Indicators Research, Vol 46(1), 61-90, Jan, 1999

PUBLISHER: Kluwer Academic Publishers--Netherlands--www.wkap.nl

...ABSTRACT: propose Social Production Function (SPF) theory as a framework  
to resolve these disagreements. SPF theory **integrates** strengths of  
relevant psychological theories and economic **consumer** /household  
production theories, without their limitations (namely, tradeoffs between  
satisfaction of **different** needs are not in the first, and goals or  
needs are not in the **second** ). SPF theory identifies 2 ultimate goals  
that all humans seek to optimize (physical well-being and social  
well-being) and 5 instrumental goals by which they are achieved  
(stimulation, comfort, **status** , behavioral confirmation, affection). The  
core notion of SPF theory is that people choose and substitute...

...subject to constraints in available means of production. SPF theory  
guides research measurement and explanatory **models** , and it **integrates**  
features of contemporary subjective well-being theories. (PsycINFO  
**Database** Record (c) 2000 APA, all rights reserved)

27/3,K/9 (Item 3 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
(c) 2002 Amer. Psychological Assn. All rts. reserv.

01618293 1999-10910-007

**Attributional style, depression, and loneliness: A cross-cultural  
comparison of American and Chinese students.**

AUTHOR: Anderson, Craig A.

AUTHOR AFFILIATION: U Missouri--Dept of Psychology, Columbia, MO, US

JOURNAL: Personality & Social Psychology Bulletin, Vol 25(4), 482-499, Apr  
, 1999

PUBLISHER: Sage Publications, Inc.--US

...ABSTRACT: These relatively maladaptive attributional styles by Chinese  
students accounted for much of their relatively higher **scores** on  
depression and loneliness. The sample differences in attributional style  
fit well with previous research...

...cross-cultural generality of fundamental human needs for feeling  
efficacious. Implications for attribution theories and **models** of **cross**  
-cultural **differences** are discussed. (PsycINFO **Database** Record (c)  
2000 APA, all rights reserved)

27/3,K/10 (Item 4 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
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01606617 1999-04123-001

**Psychotherapy and psychoanalysis in Africa.**

AUTHOR: Peltzer, Karl

AUTHOR AFFILIATION: U of the North--Dept of Psychology, Sovenga, South  
Africa

BOOK SOURCE: Madu, Sylvester Ntomchukwu (Ed); Baguma, Peter Kakubeire (Ed)

; et al. Cross-cultural dialogue on psychotherapy in Africa.  
, 10-22, p374, 1999  
PUBLISHER: UNIN Press--Sovenga--South Africa

...ABSTRACT: first it is examined how psychoanalysis can be used in the therapy of Third World clients . Then on the basis of an emic and etic analysis of African psychopathologies a cross-cultural socialization/personality model is developed. This cross-cultural model is applied to 3 areas of psychotherapy in Africa: (1) contents analysis of 2 culturally different short-term therapies, (2) cross-cultural psychotherapy training, and (3) the Truth and Reconciliation Commission in South Africa.

Topics include: psychoanalysis; psychotherapy; development of cultural categories ; cultural categories according to the cross-cultural model ; contents analysis of two culturally different short-term therapies; and cross-cultural psychotherapy training. (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/11 (Item 5 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
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01566204 1998-11886-001

**Predicting back pain sufferers' intentions to exercise.**

AUTHOR: Trafimow, David; Trafimow, Jordan H.

AUTHOR AFFILIATION: New Mexico State U--Dept of Psychology, Las Cruces, NM, US

JOURNAL: Journal of Psychology, Vol 132(6), 581-592, Nov, 1998

PUBLISHER: Heldref Publications--US--http://www.heldref.org

...ABSTRACT: and subjective norms failed to predict intentions to exercise in accordance with the physician's orders , but each of the perceived behavioral control measures did moderately well as an independent predictor and quite well when combined in a multiple regression approach. (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/12 (Item 6 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
(c) 2002 Amer. Psychological Assn. All rts. reserv.

01545527 1998-04204-001

**An integrated theory of list memory.**

AUTHOR: Anderson, John R.; Bothell, Dan; Lebiere, Christian; Matessa, Michael

AUTHOR AFFILIATION: Carnegie Mellon U--Dept of Psychology, Pittsburgh, PA, US

JOURNAL: Journal of Memory & Language, Vol 38(4), 341-380, May, 1998

PUBLISHER: Academic Press Inc--US--http://www.academicpress.com

...ABSTRACT: in the Sternberg paradigm, length-strength effects in recognition memory, the Tulving-Wiseman function, serial position , length and practice effects in free recall, and lexical priming in implicit memory paradigms. This...

...ACT-R theory is that it offers a completely specified processing architecture that serves to integrate many existing models in the literature. (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/13 (Item 7 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
(c) 2002 Amer. Psychological Assn. All rts. reserv.

01233001 1993-33230-001

**Models of crossed categorization and intergroup relations.**

AUTHOR: Hewstone, Miles; Islam, Mir R.; Judd, Charles M.

AUTHOR AFFILIATION: U Mannheim, Lehrstuhl fuer Sozialpsychologie, Germany

JOURNAL: Journal of Personality & Social Psychology, Vol 64(5), 779-793,  
May, 1993

PUBLISHER: American Psychological Assn.--US--<http://www.apa.org>

...ABSTRACT: Two studies explored 6 models of crossed **categorization**. In Exp 1, Muslims (majority) and Hindus (minority) in Bangladesh evaluated 1 of 4 target groups created by crossing religion (Hindu or Muslim) and nationality (Bangladesh or Indian) and then **rated** the target group's perceived variability. Exp 2 was an extension of the research, including ...

...additive effects of religion and nationality, as predicted by 3 models, a strong effect of **category** dominance for religion, and out-group homogeneity only when the religious in-group was the...

...significant relationship between discrimination based on religion and self-esteem and marginal support for the **hierarchical ordering model**. When and how specific **models of crossed categorization** might operate in **different** intergroup contexts are discussed. (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/14 (Item 8 from file: 11)

DIALOG(R)File 11:PsycINFO(R)

(c) 2002 Amer. Psychological Assn. All rts. reserv.

01224519 1994-31946-001

**States and traits in psychological assessment.**

AUTHOR: Steyer, Rolf; Ferring, Dieter; Schmitt, Manfred J.

AUTHOR AFFILIATION: U Trier, Germany

JOURNAL: European Journal of Psychological Assessment, Vol 8(2), 79-98,  
1992

PUBLISHER: Hogrefe & Huber Publishers--US--  
[hhpub.com/journals/ejpa/order.html](http://hhpub.com/journals/ejpa/order.html)

...ABSTRACT: and stability coefficients. This theory relies on 2 decompositions: (1) the decomposition of any observed **score** into a latent state and a measurement error component, and (2) the decomposition of any...

...residual. This conceptualizes the view that most psychological attributes have both state and trait components. **Several** sets of assumptions are presented which lead to **different simultaneous equation models**. States and traits are **simultaneously** represented as latent variables in these **models**. (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/15 (Item 9 from file: 11)

DIALOG(R)File 11:PsycINFO(R)

(c) 2002 Amer. Psychological Assn. All rts. reserv.

01145102 1992-10896-001

**Students' multiple worlds: Negotiating the boundaries of family, peer, and school cultures.**

AUTHOR: Phelan, Patricia; Davidson, Ann L.; Cao, Hanh Thanh

AUTHOR AFFILIATION: Stanford U, Ctr for the Research on the Context of  
Secondary School Teaching, CA, US

JOURNAL: Anthropology & Education Quarterly, Vol 22(3), 224-250, Sep, 1991

PUBLISHER: American Anthropological Assn/Council on Anthropology &  
Education--US

...ABSTRACT: 4 desegregated high schools as they moved across settings: (1) congruent worlds/smooth transitions, (2) **different** worlds/boundary **crossings** managed, (3) **different** worlds/boundary **crossings**



hazardous, and (4) borders impenetrable/boundary crossings insurmountable. The model transcends ethnic, achievement, and gender categories to consider multiple worlds, boundary crossings, and adaptation for all students. (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/16 (Item 10 from file: 11)

DIALOG(R)File 11:PsycINFO(R)

(c) 2002 Amer. Psychological Assn. All rts. reserv.

01134740 1991-98388-003

**Psychological mechanisms underlying the rod-and-frame illusion.**

AUTHOR: Spinelli, Donatella; Antonucci, Gabriella; Goodenough, Donald R.; Pizzamiglio, Luigi; Zoccolotti, Pierluigi

AUTHOR AFFILIATION: U di Perugia, Perugia, Italy

BOOK SOURCE: Wapner, Seymour (Ed); Demick, Jack (Ed). Field dependence-independence: Cognitive style across the life span. , 37-60 , xivp, 453, 1991

PUBLISHER: Lawrence Erlbaum Associates, Inc--Hillsdale--NJ--US

...ABSTRACT: present empirical data concerning the effects of frame size (large vs. small) and body position (upright vs. tilted) on Rod-and-Frame Test (RFT) performance toward distinguishing different underlying mechanisms...

...the meaning of these studies for field dependence-independence theory is discussed, suggesting a more integrated model to explain various effects on the RFT (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/17 (Item 11 from file: 11)

DIALOG(R)File 11:PsycINFO(R)

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01116127 1991-23233-001

**Commentary: Three-dimensional (3-D) Circumplex Model and revised scoring of FACES--III.**

AUTHOR: Olson, David H.

AUTHOR AFFILIATION: U Minnesota, US

JOURNAL: Family Process, Vol 30(1), 74-79, Mar, 1991

PUBLISHER: Family Process Inc--US

...ABSTRACT: will improve the model conceptually, methodologically, and clinically. Expanding the Circumplex into a 3-D model offers the opportunity to integrate 2nd - order change into the model . (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/18 (Item 12 from file: 11)

DIALOG(R)File 11:PsycINFO(R)

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01082421 1991-04050-001

**Circular reactions and sensori-motor intelligence: When Piaget's theory meets cognitive models.**

AUTHOR: Ackermann, Edith

AUTHOR AFFILIATION: Massachusetts Inst of Technology, Media Lab, Cambridge, US

JOURNAL: Archives de Psychologie, Vol 58(224), 65-78, Mar, 1990

PUBLISHER: Editions: Medecine et Hygiene--Switzerland--www.medhyg.ch

...ABSTRACT: of cognitive development, such as assimilation, accommodation, and schemes. These principles are grouped into higher- order principles, such as circular reactions (CIRs), and used by Piaget to explain the transition from...

...the regulatory mechanisms at play in the infant's sensorimotor activities. CIRs and feedback may **differ**, in serving **different** scientific enterprises and being **integrated** into **different** models of mind. (French & German abstracts) (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/19 (Item 13 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
(c) 2002 Amer. Psychological Assn. All rts. reserv.

01039874 1990-30677-001

**The self as a theorist: Individual differences in identity formation.**

AUTHOR: Berzonsky, Michael D.

AUTHOR AFFILIATION: State U New York, Coll at Cortland, US

JOURNAL: International Journal of Personal Construct Psychology, Vol 2(4), 363-376, Fal, 1989

PUBLISHER: Taylor & Francis--US--http://www.taylorandfrancis.com

...ABSTRACT: normative (dogmatic), diffuse (ad hoc), and information (scientific) orientations. These orientations are mapped onto the **classifications** generated by J. E. Marcia's (1966) identity **status** paradigm. It is argued that structural differences in the extent to which personal theoretical constructions are **differentiated**, interconnected, and **hierarchically integrated** will be associated with identity **status**. (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/20 (Item 14 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
(c) 2002 Amer. Psychological Assn. All rts. reserv.

00794477 1986-10949-001

**Simultaneous and successive processing in American and Hispanic college students.**

AUTHOR: Anderson, H. N; et al

AUTHOR AFFILIATION: U Southern Mississippi, Hattiesburg

JOURNAL: Journal of Human Behavior & Learning, Vol 1(3-4), 30-38, 1984

PUBLISHER: College of Education & Behavioral Sciences--US

...ABSTRACT: samples for all measures except the memory for designs task. Significance tests showed that Americans **scored** higher on 2 successive processing tasks (free and serial recall), while Hispanics **scored** higher on a simultaneous processing task (figure copying). In Exp II, in which 26 Hispanic college students were administered the 3 successive processing tasks in both English and Spanish, Ss **scored** significantly higher when tested in Spanish. When these results were compared to the **scores** of the 67 Americans in Exp I, no significant **differences** were found. Findings support the existence of **simultaneous** and successive processing **strategies** in 2 **different** ethnic **groups**. (19 ref)  
(PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/21 (Item 15 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
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00786783 1985-28730-001

**A critique of behavioral psychotherapy: The groundwork for an integrated model of intervention.**

AUTHOR: Wright, John; Sabourin, Stephane

AUTHOR AFFILIATION: U Montreal, Canada

JOURNAL: Canadian Counsellor, Vol 19(1), 5-14, Oct, 1984

PUBLISHER: Canadian Guidance & Counselling Assn--Canada

...ABSTRACT: that some of the weaknesses of the approach can be overcome by integrating it with **client**-centered and psychodynamic approaches. Some of the strengths of this approach include operationalization of

therapeutic...

...real environment and to assure generalization; an overestimating of the average behavioral clinician's success **rates** ; an underestimating of the length of intervention required; a naivete about family systems, institutions, and...

...or theoretician interested in breaking down unnecessary barriers between schools of psychotherapy can choose from **many** alternative types of rapprochement. Some of the risks associated with an **integrated model** of psychotherapy are noted. (French abstract) (22 ref) (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/22 (Item 16 from file: 11)  
DIALOG(R)File 11:PsycINFO(R)  
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00757727 1984-24678-001

**Trade routes: The manager's network of relationships.**

AUTHOR: Kaplan, Robert E.

AUTHOR AFFILIATION: Ctr for Creative Leadership, Greensboro, NC

JOURNAL: Organizational Dynamics, Vol 12(4), 37-52, Spr, 1984

PUBLISHER: American Management Assn., Periodicals Division--US

...ABSTRACT: managers vis-a-vis their trading partners: their reputation, their alliances, the importance of their **position** to the organization, and their favored standing with the network member. Trade among managers depends...

...the diplomatic ability of those involved. Managers may encounter trade barriers that stem from functional **differences** , functional and **hierarchical differences combined** , or disparities in degrees of dependence. (7 ref) (PsycINFO Database Record (c) 2000 APA, all rights reserved)

27/3,K/23 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01664059 ORDER NO: AAD99-04696

**REPLICATORS, MAJORIZATION AND PROBABILISTIC DATABASES: NEW APPROACHES FOR THE ANALYSIS OF EVOLUTIONARY ALGORITHMS**

Author: MENON, ANIL RAVINDRAN

Degree: PH.D.

Year: 1998

Corporate Source/Institution: SYRACUSE UNIVERSITY (0659)

Source: VOLUME 59/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4250. 285 PAGES

...bisection problem. Majorization theory is used to develop a unified interpretation of selection, mutation and **crossover** operators as majorization processes, **differing** in directionality and dimensionality. Probabilistic **databases** are used to analyze the problem of dependency in genetic **algorithms** (GAs). Specifically, the **selection** and **crossover** operators are shown to increase functional and multivalued dependencies in a GA population. The problem...

...and its deep connection with Simpson's paradox and other decision-theoretic issues exhibited. In **place** of deception, the database theoretic concept of reconstructability is offered as a theoretically more tractable...

27/3,K/24 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01662490 ORDER NO: AAD99-01622

**DYNAMIC ION PARTITIONING AMONG DISSOLVED, ADSORBED, AND PRECIPITATED PHASES  
IN AGING COBALT(II)/KAOLINITE/WATER SYSTEMS (HYDROTALCITE)**

Author: THOMPSON, HILLARY ANN

Degree: PH.D.

Year: 1998

Corporate Source/Institution: STANFORD UNIVERSITY (0212)

Source: VOLUME 59/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3964. 117 PAGES

Metal ion cycling in the environment is controlled by metal ion speciation. In **order** to make accurate predictions about the fate of metals, the effects of numerous environmental factors...

...to 0.25 and A = carbonate, silicate, or nitrate anion. Solubility products were estimated for **several** cobalt hydrotalcite **compositions** and were incorporated into an existing thermodynamic **database** to **model** cobalt sorption and release experiments.

In aqueous slurries of kaolinite under three sets of total...

27/3,K/25 (Item 1 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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03621773 SUPPLIER NUMBER: 17012170

**The roles of digital libraries in teaching and learning. (includes related article)**

Marchionini, Gary; Maurer, Hermann

Communications of the ACM, v38, n4, p67(9)

April, 1995

ISSN: 0001-0782

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 6128

LINE COUNT: 00534

... tools and funds, it is likely that private digital libraries will move out of specialized **markets** to provide access to primary information for a fee. For-profit companies such as publishers...

...and television broadcasters own enormous volumes of information, and international information infrastructures will create new **markets** for that information. Teachers and learners will likely not be heavy on-demand users for...on papers and earlier comments, the structure of the discussion being visualized using the XWindows **client** Harmony [11]. The experiment created a network of over 4,000 hyperlinked documents. Students remained...

...by a publishing consortium. Originally designed for standalone PC applications, it has now migrated to **client** /server architecture. At the time of writing, some 40 substantial reference volumes, including a 10...

...pictures or video clips); and material is automatically hyperlinked using a keyword-based technique.

As **vendors** develop new products and as these specialized corpora become available through global networks, libraries should...

...specialized literatures are available in electronic form (e.g., Medical Subject Headings, ACM Computing Reviews **Classification** System), and **techniques** for **merging** and **filtering** these languages to allow users to search across **multiple databases** are emerging. Although most indexes to image and sound collections currently use words from captions or titles, new pattern-matching techniques are emerging to **categorize** and **classify** multimedia objects [10]. In the past, bibliographic instruction has been provided by librarians as a...automatic link maintenance, and other advanced techniques, are emerging. For example, Harmony [11], the XWindows **client** for Hyper-G, WWW, Gopher, and WAIS, provides sophisticated navigational facilities when used in conjunction...When Lawrence MacPhail in Cincinnati began to broadcast the Reds' games in 1938, entire new **markets** opened up beyond the traditional male attendees - women and men

who previously did not know...

27/3,K/26 (Item 2 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.  
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01595126 SUPPLIER NUMBER: 00625192

**Database Types.**

Krajewski, R.

Byte, v9, n11, p137-138

Oct., 1984

DOCUMENT TYPE: directory ISSN: 0360-5280 LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: Database Programs can be **categorized** as relational, hierarchical, network, free-format, multiuser and file management types. File-management systems are like index card files in which you can search for data but not **combine** it. Relational systems allow combining records from **different** files. **Hierarchical databases** connect files through connections that are defined when the system is set up. Network databases ...

27/3,K/27 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2002 Japan Science and Tech Corp(JST). All rts. reserv.

02097940 JICST ACCESSION NUMBER: 94A0741933 FILE SEGMENT: JICST-E

**A Mechanism to Integrate Network Management Data.**

KIHARA TAMIO (1); NAKAGAWA JUN'ICHI (1); YAMANAKA YASUSHI (1); TERANAKA KATSUMI (1)

(1) NTT Johotsushinmouken

Joho Shori Gakkai Kenkyu Hokoku, 1994, VOL.94,NO.56(DPS-66), PAGE.157-162, FIG.6, REF.9

JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072

UNIVERSAL DECIMAL CLASSIFICATION: 621.394/.395 681.3:061.68

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: In actual network management system it has **various** information **models** and keeping style. It is necessary to **combine** heterogeneous information. A newly proposed mechanism translates, delivers and **integrates** network management data of **different databases**. This mechanism has the scenarios and the integration methods that are prepared function modules. These...

...call integration methods to drive the data integration engine. In the scenario, integration processes are **classified** into existence pattern of instances. It is possible to wait for the lack of instance...

27/3,K/28 (Item 2 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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01363915 JICST ACCESSION NUMBER: 91A0695649 FILE SEGMENT: JICST-E

**Determination of the blend composition ratio of gasoline to kerosene by multi-variate analysis.**

MITSUI TOSHIYUKI (1); OKUYAMA SHUJI (1); FUJIMURA YOSHIKAZU (2)

(1) Aichi Prefect. Police Head Quarters, Criminal Science Lab.; (2) Chubu Univ., College of Engineering

Bunseki Kagaku, 1991, VOL.40,NO.8, PAGE.389-394, FIG.4, TBL.6, REF.8

JOURNAL NUMBER: F0008AAZ ISSN NO: 0525-1931 CODEN: BNSKA

UNIVERSAL DECIMAL CLASSIFICATION: 543.54:547-124

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper  
MEDIA TYPE: Printed Publication

...ABSTRACT: to kerosene, some chromatograms were made using mixtures of gasoline and kerosene with known blend **composition** ratios. Each peak in the chromatograms was expressed by relative value to provide a **data base**. Next, the blend **composition** ratio was calculated more finely by factor **score** and **multiple regression** analysis. By this method, the blend composition ratios of gasoline-kerosene mixtures can be determined...

27/3,K/29 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
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15339685 PASCAL No.: 02-0026377  
**A learning database system to observe malfunctions and to support network planning**  
ZAKI M; HARB H; SOBH T S  
Computer Engineering Department Faculty of Engineering Al-Azhar University, Nasr City, Cairo, Egypt  
Journal: Journal of Systems and Software, 2001, 58 (1) 33-46  
Language: English

This paper presents a learning **database** system that can accommodate malfunction observations. Consequently, such observations may be expressed in structured patterns...

... of the important network management functions. The underlying system monitors the network protocol tables in **order** to discover interesting patterns. To achieve this purpose two learning techniques are used. The first...

... query language (SQL). Then data abstraction is carried out and interesting characteristics are extracted. The **second** technique exploits an explanation-based learning (EBL) procedure to obtain operational rules. In this case...

... example is analyzed in terms of this knowledge. Thus, the system is capable of discovering **various** operational patterns, provide sensible advices, and support the network planning activity. Since the monitoring **database** utilizes a relational **model**, an **integrated** computer-aided software engineering (I-CASE) is used throughout the requirement identification, analysis and design phases. Accordingly, the quality of the **database** system as an engineering product has been achieved. Moreover, the open **database** connectivity (ODBC) approach is employed in **order** to provide an efficient interface that allows a **client** application to access a variety of distributed data sources in addition to its local **database**.  
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27/3,K/30 (Item 2 from file: 144)  
DIALOG(R)File 144:Pascal  
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15219842 PASCAL No.: 01-0386376  
**Mining semiconductor manufacturing data for productivity improvement - An integrated relational database approach**  
DABBAS R M; CHEN H N  
Motorola BioChip, Tempe, AZ 85284, United States  
Journal: Computers in Industry, 2001, 45 (1) 29-44  
Language: English

... need for multiple multi-million dollar Computer Integrated Manufacturing (CIM) systems to be implemented in **order** to collect real time data. CIM systems deployed in semiconductor manufacturing settings capture real time...

... easy to access as well as easy to interpret and manipulate. This paper presents an **integrated** relational **database** approach for **modeling** and collecting semiconductor manufacturing data from **multiple database** systems and transforming the data into useful reports. A summary of the key reports generated...

27/3,K/31 (Item 3 from file: 144)  
DIALOG(R)File 144:Pascal  
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15197552 PASCAL No.: 01-0362791  
**Multimodal fusion of polynomial classifiers for automatic person recognition**  
**Applications and science of computational intelligence IV : Orlando FL, 17-18 April 2001**  
BROUN Charles C; XIAOZHENG ZHANG  
PRIDY Kevin L, ed; KELLER Paul E, ed; ANGELINE Peter J, ed  
Motorola Labs - Human Interface Lab, Phoenix, Arizona, United States; The Georgia Institute of Technology, Atlanta, Georgia  
International Society for Optical Engineering, Bellingham WA, United States  
Applications and science of computational intelligence. Conference, 4 (Orlando FL USA) 2001-04-17  
Journal: SPIE proceedings series, 2001, 4390 166-174  
Language: English

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... society. As such, biometrics are viewed as essential components of current and evolving technological systems. **Consumers** demand unobtrusive and non-invasive approaches. In our previous work, we have demonstrated a speaker verification system that meets these criteria. However, there are **additional** constraints for fielded systems. The required recognition transactions are often performed in adverse environments and...

... signals (in all environments) without encumbering the user with a head-mounted close-talking microphone. **Second**, unimodal biometric systems do not work with a significant percentage of the population. To combat...

... multimodal approach that builds on our current state-of-the-art speaker verification technology. In **order** to maintain the transparent nature of the speech interface, we focus on optical sensing technology to provide the **additional** modality-giving us an audio-visual person recognition system. For the audio domain, we use...

...provide liveness testing. The visual processing method makes use of both color and edge information, **combined** within a Markov random field (MRF) framework, to localize the lips. Geometric features are extracted and input to a polynomial **classifier** for the person recognition process. A late integration approach, based on a probabilistic **model**, is employed to **combine** the two modalities. The system is tested on the XM2VTS **database** **combined** with AWGN (in the audio domain) over a range of signal-to-noise ratios.

27/3,K/32 (Item 4 from file: 144)  
DIALOG(R)File 144:Pascal  
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14801510 PASCAL No.: 00-0482251  
**Use of combined digital elevation model and satellite radiometric data for regional soil mapping**  
DOBOS E; MICHELI E; BAUMGARDNER M F; BIEHL L; HELT T  
Department of Geography and Environmental Sciences, University of Miskolc, 3515 Miskolc-Egyetemvaros, Hungary; Department of Agrochemistry and Soil Science, Goedoello Agricultural University, 2103 Goedoello, Hungary;

Department of Agronomy, Purdue University, West Lafayette, IN 47907, United States

Symposium 17 of the 16th IUSS World Congress, 16 (Montpellier FRA)  
1998-08-24

Journal: Geoderma : (Amsterdam), 2000, 97 (3-4) 367-391  
Language: English

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... effect of the addition of terrain descriptor data to the AVHRR data set on the **classification** results. Two database were used for the study. The first one was purely AVHRR data...

... Feature Extraction (DAFE) function (which is based on a canonical analysis procedure), and were then **classified** using the Fisher linear discriminant, and the ECHO spectral-spatial **classifiers**. Based on the results, it was concluded that the two reflective bands, the middle infrared...

... not result in acceptable performances, while the use of multispectral and multitemporal databases improved the **classification** performance very significantly. However, the purely AVHRR-based model could not always delineate soil variations related to terrain differences, and resulted in an overall **classification** performance of 49.1%. Digital elevation and terrain descriptor data were essential in the **model** for achieving acceptable results. In the **second** part of the study an **integrated** AVHRR-terrain **database** was used, where five terrain layers were added to the 30 AVHRR channels. Two different...

... drainage density (PDD) to improve the performance of the model on the plain areas. The **classification** accuracy of the integrated AVHRR-terrain database was improved significantly over the case when only AVHRR data was in the model. The **classification** performances of the three different resolution images were 87.3% for the 500-m resolution...

27/3,K/33 (Item 5 from file: 144)  
DIALOG(R) File 144:Pascal  
(c) 2002 INIST/CNRS. All rts. reserv.

14625900 PASCAL No.: 00-0296404

Implementing a pipeline strategic renovation plan using a MIS (GIS) approach

22nd international water services congress : Buenos Aires, 18-24  
September 1999

VARKEVISSER E

Rand Water, PO Box 1127, Johannesburg, 2000, South Africa

International water services congress, 22 (Buenos Aires ARG) 1999-09-18

Journal: Water supply, 2000, 18 (1/2) 522-526

Language: English

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It appears that Water Boards/Utilities worldwide focus in their rationale to a **selection** criteria **model** on only one or a few parameters to base their decision of whether or not...

... renovate pipes. Rand Water recognised that it is evident that with state-of-the-art, **integrated** technology, more accessible and up-to-date information **data** **bases**, more complex and innovative **selection** criteria **models** will have to be implemented. This is necessary in **order** to cope with realistic requirements to supply our **customers** trouble-free in the long term. Rand Water considered two **models** with the preparation of a 5-year Strategic Renovation Plan (SRP), namely: the **multiple** queries **model** and the **selection** criteria **model**. The application of these two **models** to implement the SRP will be discussed.



Set	Items	Description
S1	0	AU=(GORENSTEIN A? OR GORENSTEIN, A?)
S2	77539	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	989204	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINANT()ANALYS? OR TREE()INDUCT? OR CHAID OR THAID
S4	188314	DATABASE? OR DATA() (BASE? OR BANK? OR FILE? OR MINE? OR MI- NING) OR DATAMIN? OR DATAFILE?
S5	6916884	COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULT- ANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?
S6	14841047	MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONAL? OR - VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR NEXT?
S7	11994250	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	3472570	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET(2N)MARKET?
S9	279	(S2 OR S3) (S)S4(S)S5(S)S6
S10	260	S9 AND (S7 OR S8)
S11	21	S9(10N)S7(10N)S8
S12	19	RD (unique items)
S13	19	S12 NOT PY>2001
S14	17	S13 NOT PD>20010123
File 570:Gale Group MARS(R) 1984-2002/Feb 06 (c) 2002 The Gale Group		
File 635:Business Dateline(R) 1985-2002/Feb 05 (c) 2002 ProQuest Info&Learning		
File 146:Washington Post Online 1983-2002/Feb 06 (c) 2002 Washington Post		
File 387:The Denver Post 1994-2002/Feb 05 (c) 2002 Denver Post		
File 471:New York Times Fulltext-90 Day 2002/Feb 06 (c) 2002 The New York Times		
File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06 (c) 2002 Phoenix Newspapers		
File 494:St LouisPost-Dispatch 1988-2002/Feb 06 (c) 2002 St Louis Post-Dispatch		
File 498:Detroit Free Press 1987-2002/Feb 04 (c) 2002 Detroit Free Press Inc.		
File 630:Los Angeles Times 1993-2002/Feb 06 (c) 2002 Los Angeles Times		
File 631:Boston Globe 1980-2002/Feb 05 (c) 2002 Boston Globe		
File 632:Chicago Tribune 1985-2002/Feb 06 (c) 2002 Chicago Tribune		
File 633:Phil.Inquirer 1983-2002/Feb 05 (c) 2002 Philadelphia Newspapers Inc		
File 638:Newsday/New York Newsday 1987-2002/Feb 05 (c) 2002 Newsday Inc.		
File 640:San Francisco Chronicle 1988-2002/Feb 06 (c) 2002 Chronicle Publ. Co.		
File 641:Rocky Mountain News Jun 1989-2002/Feb 01 (c) 2002 Scripps Howard News		
File 702:Miami Herald 1983-2002/Feb 04 (c) 2002 The Miami Herald Publishing Co.		
File 703:USA Today 1989-2002/Feb 05 (c) 2002 USA Today		
File 704:(Portland)The Oregonian 1989-2002/Jan 31 (c) 2002 The Oregonian		
File 713:Atlanta J/Const. 1989-2002/Feb 03 (c) 2002 Atlanta Newspapers		
File 714:(Baltimore) The Sun 1990-2002/Feb 05 (c) 2002 Baltimore Sun		
File 715:Christian Sci.Mon. 1989-2002/Feb 06 (c) 2002 Christian Science Monitor		
File 725:(Cleveland)Plain Dealer Aug 1991-2000/Dec 13 (c) 2000 The Plain Dealer		

File 735:St. Petersburg Times 1989- 2000/Nov 01  
    (c) 2000 St. Petersburg Times  
File 476:Financial Times Fulltext 1982-2002/Feb 06  
    (c) 2002 Financial Times Ltd  
File 477:Irish Times 1999-2002/Feb 06  
    (c) 2002 Irish Times  
File 710:Times/Sun.Times(London) Jun 1988-2002/Feb 06  
    (c) 2002 Times Newspapers  
File 711:Independent(London) Sep 1988-2002/Feb 06  
    (c) 2002 Newspaper Publ. PLC  
File 756:Daily/Sunday Telegraph 2000-2002/Feb 06  
    (c) 2002 Telegraph Group  
File 757:Mirror Publications/Independent Newspapers 2000-2002/Feb 06  
    (c) 2002  
?logout hold

14/3,K/1 (Item 1 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01925184 Supplier Number: 63041643 (USE FORMAT 7 FOR FULLTEXT)  
**NPE conferences free to show-goers.**  
Plastics News, p52  
June 20, 2000  
ISSN: 1042-802X  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1561

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Become a Role Model Supplier!" -- Edward Martin, DaimlerChrysler Corp.  
"Vision of Invention and Innovation for **Customer** Value" -- Gary Lawrey,  
Dow Automotive Marketing & Management -- E-Commerce, Room S405 Moderator:  
Donna Davis, ExxonMobil Chemical Co. "A **Different** Way of Doing Business"  
-- Amir Raza, Mascon "Expanding E-Commerce Beyond **Order** Taking" -- Tim  
Stojka, Commerx Inc. " **Data Mining** " -- Bret Smith, Leo Wright, SAS  
Institute Inc. "Success Stories" -- Jason Rubel, GE Polymerland Injection  
Molding...

14/3,K/2 (Item 2 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01860333 Supplier Number: 60047354 (USE FORMAT 7 FOR FULLTEXT)  
**Customer focus: Price, selection and service central to Web plans;Best Buy  
takes cue from retail shops.(Brief Article)**  
Elkin, Tobi  
Advertising Age, v71, pS8  
March 6, 2000  
ISSN: 0001-8899  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 514

**IDEALLY POSITIONED** Many industry observers believe Best Buy's  
focus on achieving a superior **customer** experience and commitment to  
snaring talent who believe that established brands will win in the...

14/3,K/3 (Item 3 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
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01831296 Supplier Number: 58388042 (USE FORMAT 7 FOR FULLTEXT)  
**TECH TALK.**  
WWD, p16  
Dec 22, 1999  
ISSN: 0149-5380  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 336

... enterprise-wide support system for its back-end e-commerce  
functionality. Its e-merchandising, fulfillment, **order** management,  
inventory and **customer** service applications are **integrated** within an  
Oracle relational **database** environment.

**SAFETY FIRST:** The Organization for Economic Cooperation and  
Development, which represents 29 countries including...

14/3,K/4 (Item 4 from file: 570)

DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01805904 Supplier Number: 56083668 (USE FORMAT 7 FOR FULLTEXT)

**Arsenal sets itself central database goal.**

Dixon, Lucy

Precision Marketing, pl(1)

Oct 11, 1999

ISSN: 0957-4913

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 224

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Football Club is leading the field in sports relationship marketing with the launch of a **targeted** communications **strategy** built around the club's first central **database**. The Premiership club is kicking off the initiative by **merging** its mail **order**, box office, Junior Gunners and other smaller lists into one 260,000-strong central **customer database** built by Morse using Oracle software. The **second** phase of the game plan is to gather more detailed data on Gunners fans by...

14/3,K/5 (Item 5 from file: 570)

DIALOG(R)File 570:Gale Group MARS(R)

(c) 2002 The Gale Group. All rts. reserv.

01798170 Supplier Number: 55777962 (USE FORMAT 7 FOR FULLTEXT)

**Getting To Know You; Take note: customer-centric companies have to care about who did not respond or buy every bit as much as who did and this, in turn, means an end to campaign-based marketing and the adoption of a new, event-driven approach.**

Reed, David

Precision Marketing, pl7(1)

Sept 20, 1999

ISSN: 0957-4913

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 2329

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...its effectiveness in delivering against that promise, direct marketing has relied on immediate measures - response **rate** and conversion to sale. The sophisticated analytical procedures used (profiling **customers**, matching against prospect files, profiling responders and non-responders plus developing propensity **models**), tend to have the same, simple aim in mind - increasing the performance of a campaign...

...fly on that plane? And would you advise your board of directors to run your **customer** relationship management programmes using one simple measure, such as response **rates**, or do you need something **different**? You would probably fly on a **different** flight, because that plane is going to crash. So we need to be smarter than...

... Clive Ashborn, explains the model. Using a research sample and a questionnaire, modelled onto the **customer** database, both diagnostic and predictive measures can be taken. Three dimensions are **combined** in the Index - existing **customer** value, potential **customer** value, and causes of disloyalty. The hard measures are necessary in **order** to justify any investment made in relationship management, says Ashborn. The gaps between existing and...

...at the new relationship management needs of business in the context of the Internet. Its **Consumer** Focus Group has developed a research technique called RelDex. It offers **clients** a scoring system for their Web sites using seven key **categories** - including design, personalisation, interaction, capacity to provide electronic commerce, quality of content, and technical infrastructure - which **combine** to provide a maximum **score**

of 300. This allows internal strengths and weaknesses to be identified, but also for benchmarking against competitors and across **categories** . "We score each category consistently, but we change the way each is weighted. For example...

14/3,K/6 (Item 6 from file: 570)  
DIALOG(R) File 570:Gale Group MARS(R)  
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01792190 Supplier Number: 55584054 (USE FORMAT 7 FOR FULLTEXT)  
**Rock the new media boat but don't miss it!; The advancement of electronic commerce is fast becoming an everyday part of business life. But UK call centres are still some way off productive integration, claims new research by The Future Foundation.**

Reed, David  
Precision Marketing, p22(1)  
August 30, 1999  
ISSN: 0957-4913  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1521

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...separation is being pursued by most companies."It seems to be the case that in **many** organisations new media, because it is **classified** as technological, is not yet seen as falling into the remit of **customer** contact and service centres and is being developed and dealt with by a separate team...

14/3,K/7 (Item 7 from file: 570)  
DIALOG(R) File 570:Gale Group MARS(R)  
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01790783 Supplier Number: 55557117 (USE FORMAT 7 FOR FULLTEXT)  
**Data opportunity knocks for Bradford & Bingley.**

Precision Marketing, p1(1)  
August 23, 1999  
ISSN: 0957-4913  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 174

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
Bradford & Bingley is poised to launch the first phase of an extensive **customer** relationship marketing programme following the consolidation of all its **databases** .The new programme will kick off after the society converts from mutuality **status** later this year and is designed to significantly increase **cross** -selling opportunities for Bradford & Bingley.The society has been working alongside MarkIT Information Services for...

14/3,K/8 (Item 8 from file: 570)  
DIALOG(R) File 570:Gale Group MARS(R)  
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01788325 Supplier Number: 55494335 (USE FORMAT 7 FOR FULLTEXT)  
**A successful union based on shared facts; The recent spate of mergers, particularly in the financial sector, have opened vast cross-selling opportunities, but how easy is it to integrate the databases of such huge operations successfully? Mark Kleinman seeks the answer.**

Precision Marketing, p19(1)  
August 2, 1999  
ISSN: 0957-4913

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1585

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...is a trend that has left few industry sectors with their corporate landscapes intact. From mail **order** (witness the Otto Versand takeover of Freemans) to **database** marketers (see Consodata's 51 percent acquisition of **Consumer Access**), companies are falling over each other in the race to find suitable partners. But market...

14/3,K/9 (Item 9 from file: 570)  
DIALOG(R) File 570:Gale Group MARS(R)  
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01780043 Supplier Number: 55278296 (USE FORMAT 7 FOR FULLTEXT)

**HCI DIRECT (HOSIERY CORP. OF AMERICA).**

The IPO Reporter, pITEM9920000C

July 19, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 439

... America and Europe through a continuous product shipment or "continuity" program. To identify potential new **customers**, HCI conducts direct mail tests using its proprietary in-house **database** of more than 75 million mail **order buyers**, as well as **customer** lists rented from other direct marketing companies. From the results of these tests, the company develops statistical **models** designed to predict response, retention and payment **rates** of potential new **customers**. Using these **models**, HCI then mails specially priced, introductory hosiery offers to attract new **customers**. First time or "front end" **customers** are those that request and receive an introductory shipment. Front-end customers who elect to...

14/3,K/10 (Item 10 from file: 570)  
DIALOG(R) File 570:Gale Group MARS(R)  
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01753573 Supplier Number: 54640663 (USE FORMAT 7 FOR FULLTEXT)

**Philippine Firms Explore E-Commerce, Compaq Leads 05/13/99. (Company Business and Marketing)**

Malapitan, Jennifer B.

Newsbytes, pNA

May 13, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 649

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...disclosed that AltaVista, a wholly-owned Compaq company, is set to go public in the **next** few weeks. Compaq is **positioning** AltaVista as a key portal player in the future in partnership with key technology players. Compaq's big **clients** in the Philippines include Bayan Telecommunications, Home Development and Mutual Fund, the International Exchange Bank...

14/3,K/11 (Item 11 from file: 570)  
DIALOG(R) File 570:Gale Group MARS(R)  
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01721578 Supplier Number: 53603485 (USE FORMAT 7 FOR FULLTEXT)

**Bancassurance leads to better marketing.**

Bank Marketing International, n100, pNA

Jan, 1999  
ISSN: 0791-2765  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1716

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...experience, an insurer can fine tune claims exposure, and this becomes an ongoing benefit as **rates** can be continuously revised. **Additionally**, by understanding the **customer** segments that are causing high claims, marketing can be adjusted appropriately and premiums matched to...they can. The use of information The reason a bank is in a more powerful **position** than an insurer relates to the direct channels (branches, call centres) they have for distribution, **combined** with a rich source of **customer** related information. Banks have adopted models of selling insurance that fits their own unique capabilities...

...have employed them. By collecting data on detailed transactions the banks are able to understand **customer** behaviours and propensities. Some of the behaviours analysed are used to understand the propensities to buy, default patterns, attrition **rates** and patterns, and potential long-term value. The data is also used to segment the **customer** base over **multiple** dimensions: demographic, psychographic, usage patterns, lifestyles and life events. Bankers and their bancassurer colleagues can...

14/3,K/12 (Item 12 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
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01635800 Supplier Number: 54555412 (USE FORMAT 7 FOR FULLTEXT)

**Making a data five years down the line.**

Bird, Julie

Precision Marketing, pl5(1)

May 19, 1997

ISSN: 0957-4913

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1858

... This will soon be old hat, explains John Dobson, managing director of EuroDirect. "In the **next** five years, the emphasis will be upon data, making it more accessible and more understandable for **clients**. Basically, the technology is already in **place**, but we're waiting for the **clients** to catch up. Over the **next** five years, we will see marketing executives analysing their **database** on their desktop." Ninety per cent of data will be served by three big data...

14/3,K/13 (Item 13 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
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01489247 Supplier Number: 45319809 (USE FORMAT 7 FOR FULLTEXT)

**THE MASS STRUGGLE: Looking for the face of television's future? Keep an eye on the epic battle between PC networks and supercomputers.**

Brandweek, v0, n0, pI20

Feb 6, 1995

ISSN: 1064-4318

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 2211

... 1 a.m. if you so desire. If that's true, the centralized supercomputer server **model** might make a lot of sense. **Ordering** movies or TV shows is a fairly simple act for a set-top box to perform, but storing millions of hours of programming and **simultaneously** fulfilling thousands of specific **orders** in real time requires the sort of massive

database servers that are Oracle's specialty.

Yet early consumer video-on-demand trials have proved disappointing  
- maybe people like schlepping out to the video...

14/3,K/14 (Item 14 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
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01419102 Supplier Number: 44474882  
**Tallying up results at Abacus**  
Catalog Age, v0, n0, p71  
March, 1994  
ISSN: 0740-3119  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

...names when it premiered in 1991 because its covers a large number of multibuyers by **merging** hundreds of participating catalogers lists into a single **database**. In **order** to take names out of Abacus, catalogers must put their 18-month-file into the **database**. Abacus Direct also tries to find the best prospects for each participant by developing a **customer** profile using the company's proprietary model. In addition, Abacus Direct allows contributors to veto...

14/3,K/15 (Item 15 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
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01026339 Supplier Number: 40312000  
**At last, single source is lifting off**  
Food & Beverage Marketing, v7, n3, p19,20  
March, 1988  
ISSN: 0731-3799  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

...marketplace with AC Nielsen is ensured, although the large costs associated with developing these large **databases** may eliminate at least one company. A trend toward a standardization of data is taking **place**, with **clients** using the large **databases** as one of **several** sources that they can use to run their businesses. A quick consolidation in the **database** industry is predicted by S Munger, pres of MARC, a research firm, with the medium...

14/3,K/16 (Item 1 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

1045744 00-10455  
**Microsoft Acquires CompareNet to Greatly Enhance Consumer Shopping Experience at MSN**  
Anonymous  
PR Newswire (New York, NY, US) p1  
PUBL DATE: 990304  
WORD COUNT: 834  
DATELINE: San Francisco, CA, US, Pacific

TEXT:

...MSN immediate relationships with hundreds of industry-leading manufacturers and retailers in nearly 100 product **categories**. **Consumers** can learn about and consider for purchase more than 40,000 individual products, spanning most makes, **models** and manufacturers of electronics,



home appliances and **several** other **categories** . Once CompareNet is **integrated** into MSN, **consumers** will be able use MSN Sidewalk to comparison-shop for these products and purchase them...

14/3,K/17 (Item 1 from file: 713)  
DIALOG(R)File 713:Atlanta J/Const.  
(c) 2002 Atlanta Newspapers. All rts. reserv.

10765250

**DAILY BRIEFING**

Atlanta Constitution (AC) - Thursday, September 21, 2000

By: Staff reports and news services

Edition: Home Section: Business Page: D2

Document Type: Brief

Word Count: 2,735

**TEXT:**

... fraud involving the sale of millions of dollars of phony investment programs to hundreds of **buyers** , **many** via the Internet, the Securities and Exchange Commission said. The SEC won an **order** temporarily freezing the assets of the firm, its president, Bryan J. Egan, and its secretary..

Set	Items	Description
S1	0	AU=(GORENSTEIN A? OR GORENSTEIN, A?)
S2	1946	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	37002	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINAN()ANALYS? OR TREE()INDUCT? - OR CHAID OR THAID
S4	551	(S2 OR S3) (5N) (DATABASE? OR DATA() (BASE? OR BANK? OR FILE? OR MINE? OR MINING) OR DATAMIN? OR DATAFILE?)
S5	28	S4 (5N) (COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULTANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?)
S6	10	S5(S) (MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONA- L? OR VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR - NEXT?)
S7	363271	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	102635	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET(2N)MARKET?
S9	6	S5 AND S8
S10	7	S5 AND S7
S11	34	S4 AND S7 AND S8
S12	21	S11 AND (MULTIPL? OR MANY OR PLURAL? OR DIFFERENT? OR SEVE- RAL? OR ADDITIONAL? OR SECOND OR 2ND)
S13	30	S9 OR S10 OR S12
S14	30	S13 NOT PY>2001
S15	30	S14 NOT PD>200101223

File 278:Microcomputer Software Guide 2001/Dec

(c) 2001 Reed Elsevier Inc.

File 634:San Jose Mercury Jun 1985-2002/Feb 05

(c) 2002 San Jose Mercury News

File 256:SoftBase:Reviews,Companies&Prods. 85-2002/Dec

(c)2002 Info.Sources Inc

15/3,K/1 (Item 1 from file: 634)  
DIALOG(R)File 634:San Jose Mercury  
(c) 2002 San Jose Mercury News. All rts. reserv.

09279037

**DOMINATING WITH DATA DATA MINING EMERGES AS THE FUTURE OF BUSINESS ANALYSIS**

San Jose Mercury News (SJ) - Monday, October 6, 1997

By: JANET RAE-DUPREE, MERCURY NEWS STAFF WRITER

Edition: Morning Final Section: Business Monday Page: 1E

Word Count: 2,389

... the Knicks' attack every time it double-teamed star center Ewing. Usually, when a team **places** two defenders on one player it leaves an opening for another, but the data suggested...

... been adopted as the database analysis tool of choice for the National Basketball Association.

Now, **many** other businesses built on data -- from the National Hockey League and its mostly paper-based...

...analysts the startling news that 99 percent of all husbands are male) or provide so **many** tidbits that no human could reasonably analyze them all.

Besides, corporations told researchers, until the...  
...or so. Retailers, banks, insurance companies and manufacturers have been keeping careful records on their **customers**. Buying habits, demographic statistics, credit transactions and product preferences all made their way into vast...

...to keep up with the data flood.

Enter the data mining companies. Working with initial **clients**, they concluded that **many** companies were using less than 5 percent of the data they had stored away. So...

...offered an opportunity to do more.

Despite purveyors' reports of dozens of satisfied data mining **customers**, data mining is in such an early stage that there are no firm figures on ...

... data mining has culled from their warehouses, lest they lose their "early adopter" advantage.

"(Our **customers**) view it as providing them with a competitive advantage," explained Janet Perna, general manager of...  
...finding out because that might tip their hand."

Mellon Bank, based in Pittsburgh, acknowledges using **data** mining **techniquesfor** everything from fraud detection to **target marketing** and loan underwriting. But officials tend to skirt talking about specific findings.

"The financial service... and ask the computer to study patterns to determine what makes the fraudulent activity look **different** from the normal transactions.

After the computer develops a working theory for itself, programmers ask it to cull a **second** set of trial data -- with both normal and fraudulent activity -- to look for fraudulent transactions. The computer returns an initial guess, which the programmers then **score**, telling the system how **many** normal accounts it flagged for fraudulent activity and how **many** fraudulent accounts it failed to detect. The computer and the programmers go through that process **several** more times until a sound system has been developed.

Direct mail

Much the same process may take place when a company prepares to do a direct mailing. The credit-card company can ask...

... computer to study demographic data and discern who is most likely to want the card. Many companies are going one step further and asking which particular incentive -- no annual fee, low starting interest rates, frequent flier miles -- is most likely to attract which particular customer.

This detailed tracking of consumer tastes, motivations and habits is already creating privacy questions -- and the questions are likely to...

...with all the targeted marketing we'll be seeing.'

But data mining advocates insist that consumers will appreciate the results, which they claim should include less junk mail and more attractive discounts.

'The consumer benefits from smarter, better packages at discounted rates that are attractive to them,' said Susan Maharis, Bell Atlantic's staff director of marketing...

... managers are saying, 'Gee, I never would have thought of putting those products together.' And consumers are getting more of what they want.'

Hockey makes the switch

That's the idea...

... The first implementation of this new system -- which has been installed in 26 arenas -- took place last Wednesday night, as the San Jose Sharks played the Edmonton Oilers.

'Ours is a...

... we can enhance the statistics, the more we can build the game and give the consumer a better perspective on the action.'

Grocery surprises

Consumers also are the focus of the data mining efforts inside Safeway's grocery stores in Great Britain. Safeway discovered through data mining that only eight of the 27 different types of orange juice in the stores sold enough to be profitable; the company responded...

... brands available. But when data mining revealed that only a dozen of more than 100 different types of cheese were profitable, the computer also noted that Safeway's most profitable customers were reaching for the least profitable cheese. The company kept all the cheeses rather than frustrating -- and possibly driving away -- its most valued customers.

'Data mining has become the third link in the data chain,' said Ken Rudin, chief...

... in 1996. Good growth should continue, she said, but it's impossible to forecast the rate just yet.

No firm dominates

'It's a fragmented market without an 800-pound gorilla...

... figured it out. Oracle hasn't figured it out yet, but they will soon enough.'

Many data mining companies are promising easier-to-use packages that can crunch terabytes of data...  
...business.

Even more advanced systems will be able to mine more than just numerical and categorical data. Video and audio also will begin to play into the

process as researchers continue...

...necessity, not an option.'

(RELATED STORY)

METHODS IBM USES TO SIFT THROUGH DATA

There are **many different** ways for a computer to troll through data. Researchers at IBM have focused their efforts on five methods: Associations, clustering, sequential patterns, similar time series and **classification** and **regression**.

(box) Associations: The **data mining** software looks at ... relationships, such as frequency of appearance together. The trick is in creating algorithms that can **rank** the significance of the various associations found. The classic example of an association -- evidently apocryphal...

... groups based on specific attributes, such as age, ZIP code or spending habits. The more **different** a particular cluster is from other groups, the more useful it is to the analyst...

... savings accounts; this group might be more likely to respond to a first-time home **buyer** loan offer than a group of recently divorced single mothers.

(box) Sequential patterns: This approach...

... patterns of growth, products with similar selling patterns and stocks with similar price movements.

(box) **Classification** and regression: A two-step process, this involves **classifying** data by a loosely built set of 'rules,' then studying new data to see which **classification** would be the best fit. A common use would be to analyze existing credit card **customers** who are a good credit risk and then use the rules discovered to **classify** new **customers** as either good or bad risks.

-- Janet Rae-Dupree

CAPTION:

... the team's star center, Patrick Ewing. The same software is being used to uncover **customer** buying patterns buried within mountains of store transaction data.  
(971006 BM 1E 1)

15/3,K/2 (Item 2 from file: 634)  
DIALOG(R)File 634:San Jose Mercury  
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09146041

ORACLE REMADE LARRY ELLISON'S NEXT CRUSADE: TO CONVERT THE COMPUTER WORLD  
TO THE RELIGION OF NETWORKING

San Jose Mercury News (SJ) - Monday, May 26, 1997

By: DAVID L. WILSON, Mercury News Staff Writer

Edition: Morning Final Section: Business Monday Page: 1E

Word Count: 2,623

...But it also is a story that has much in common with the tales of **many** leading high-tech companies. As is often the case, Oracle has enjoyed some good luck at the hands of its competitors' missteps. And it has benefited immensely from business **customers**' preference for sticking with one main supplier of each computer technology to avoid the...

...the database market and profit margins that tower over competitors'. Its blue-chip roster of **customers** includes the likes of New York Life

Insurance Co. and Bank of America, and **many** are fiercely loyal.

'We have not considered anything else, because we feel we are with...

... company they think they're creating is 'strategic partner,' meaning Oracle would be the one **place** companies go whenever they have a computing question. They want Oracle to be the be...

...get there, Ellison has to stretch the company in entirely new directions and get business **customers** to buy into his vision of a novel way to handle their computing tasks. The...

... databases and run software such as that acquired from Navio. There'd even be a **place** for Oracle's network computers in homes and shirt pockets.

Ellison's plan to fundamentally...

... let users instantly obtain information that couldn't be retrieved from traditional paper records: How **many** men between the ages of 35 and 45 living in coastal cities **order** a product via overnight mail, for example, or how **many** women pay for their jazz CDs with credit cards.

'This stuff is the heart and...

... of Alameda. In the early '90s, Sybase Inc. of Emeryville had twice Oracle's growth **rate**. And until this year, Informix Software Inc. of Menlo Park was the chief rival. But...

...employees and up from less than 1,000 a few years back - parachute in to **customer** sites, install systems, lay cable and help get all the components in an organization's computer system to talk politely to each other.

Each **customer**'s operation is unique; Oracle's consultants have to make Oracle systems, complex in themselves, operate smoothly with whatever the business already has in **place**. **Customers** welcome the assistance and pay generously for it - about half of Oracle's \$4.2...

... year ago when Ellison started beating the drum for network computers. The idea, sounded in **many** public speeches, was to put inexpensive boxes on everyone's desk to download data and in today's more commonly used '**client** -server' architecture. Not surprisingly, the newer model plays to Oracle's existing strengths. One layer...

... of the ongoing reorganization from database company to 'strategic partner.' The hope is that corporate **customers** - and eventually **consumers** - will turn to Oracle as a clearinghouse for any computer or networking needs. Once they...  
...the company is perhaps halfway to where it wants to be. 'We are clearly a **different** company,' he said.

Why change?

Some say it's necessary because the market for large...

... Oracle executives scoff at such pronouncements, arguing that the Internet will fuel database demand for **many** years.

Still, they clearly want Oracle to broaden its offerings.

That's because they have...

...aggressive company with tremendous strength.'

Microsoft's SQL Server, its database software, is snagging some **customers** who don't need huge databases that Oracle can handle, some with **several** terabytes of data. A typical disk drive in a personal computer

holds a gigabyte or...

... Microsoft is working on the scaling problem and claims to have made significant progress. But **many** analysts suspect it could be years before Microsoft's product is in a **position** to challenge Oracle at the high end of the market, where a single contract might...

...system, not just Windows NT. And they say they have an unassailable lead among big **customers**. 'At the high end, they'll never catch up to us in scalability,' said Dennis... terminals that populated companies in the 1970s and 1980s.

The mainframe paradigm was followed by 'client-server' architecture, in which a sophisticated desktop computer could work independently of the 'server' computer...

...connected to on a network.

Now, with networked computing, there's another layer between the **client** and server computers, known as middleware. In this **model**, the **database** resides on a server, and the application software resides - not on the desktop PC - but...

... since it's browser-based, system managers get relief from the biggest headache related to **client**-server systems.

Users of mainframe systems never had to worry about installing, maintaining or upgrading...

... stored on the mainframe; everybody connected to the mainframe used exactly the same applications. With **client**-server applications, managers and users face the headache of constantly installing new software and resolving problems created when users install their own applications.

With network computing, software upgrades take **place** on the middleware; all a manager has to worry about is whether the browsing software...

CAPTION:

...PHOTO PAT TEHAN - MERCURY NEWS

Oracle executives say they have an unassailable lead among big **customers** over Microsoft Corp. 'At the high end, they'll never catch up to us in ...

15/3,K/3 (Item 3 from file: 634)  
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08334080

#### REPLACING BATTERIES GIVES ENTREPRENEUR A CHARGE

San Jose Mercury News (SJ) - Thursday, November 30, 1995

By: STEVE KAUFMAN, Mercury News Staff Writer

Edition: Morning Final Section: Business Page: 1C

Word Count: 971

... used in laptop computers, cellular phones and camcorders. It's prospering by alleviating the frustration **consumers** face when it comes time to replace a dead battery, especially if it resides in...

... Time has proved Hawk right. Power Express, which sells 4,500 specialty batteries by mail **order** and over the Internet, is on track to post \$2.1 million in sales this...

...since he was a kid. In his case, he bought skateboards from a California mail-**order** company and resold them at a 100 percent markup in suburban Detroit, which at the...

... He may achieve his goal, partly because computer makers have begun

referring some replacement battery **customers** to Power Express so they can focus on bigger affairs.

A bigger plus is the...

...stocks of batteries, partly because they wear out sitting on shelves and partly because most **consumers** don't know precisely the battery they need.

Making matter worse, systems manufacturers usually discontinue...

... inquiries. Then a company acquired one of Hawk's major suppliers and suddenly stopped filling **orders**, further curtailing the company's supply capability.

Hawk, badly shaken, was ready to close shop. But one of his two investors urged him to concentrate on building his **database** of battery **models** to boost the odds of filling **orders** and to measure his progress by that, rather than by sales growth.

Hawk took the...

... be well-founded. By January 1994, the company was able to fill three in 10 **orders** (today it fills more than nine in 10) and sales increased tenfold. Hawk increased sales...

...into battery chargers and related products.

Lap-Top Superstore of Santa Clara is one of **many** retailers happy about Hawk's success. When **customers** call the store for a replacement battery, manager Darrell Wenzel figures he has the battery in stock only half the time. When he doesn't, he refers **customers** to Power Express, which, he says, has the battery in question 99 percent of the...

... said. "We help out Power Express, and in return we develop better relationships with our **customers**. They appreciate that we're making their lives easier."

N

15/3,K/4 (Item 4 from file: 634)

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06737013

#### ATTENTION TO DETAIL SPURS STUNNING TURNAROUND

San Jose Mercury News (SJ) - Monday, August 24, 1992

By: STEVE KAUFMAN, Mercury News Economics Writer

Edition: Morning Final Section: Business Monday Page: 1F

Word Count: 1,307

MEMO:

**Additional** information attached to the end of this article.

TEXT:

...than an executive running nearly a \$250 million company.

White boasts about a new computerized **order**-entry system that gets products delivered in days, rather than weeks -- and which operates with...

...factor in running a successful company," White said.

Informix is clearly being run as a **different** company these days, and that explains a stunning turnaround after its near-demise in the...

...had tumbled from an October 1987 peak of \$31.25 a share to \$3, and **many** Informix watchers set up a death watch.

The fear of Informix's demise turned out to be wildly exaggerated. White,



who joined Informix in January 1989, had already put in place a host of measures setting the stage for a rebound. Today, while many Silicon Valley companies are still buffeted by recession, analysts say White has orchestrated one of...

... fall. The latest reminder came just last quarter, when revenues rose 51 percent over the second quarter of 1991 and profits soared more than 500 percent. The trend has been sweetest...

...closed Friday at \$37.75, skyrocket well over 700 percent since the start of 1991.

Many company watchers say that Informix -- the purveyor of data base software and data base software...

... with state-of-the-art products and major incursions into the purchasing departments of giant customers such as K-mart Corp. and Hyatt Hotels and Resorts.

But just as important, analysts...

...in trouble because they are not."

A timely transition

Informix has gotten its house in order at a propitious time. Most "mission critical" corporate data, such as sales and inventory information, still reside on IBM and IBM-compatible mainframes in so-called "hierarchical" data bases, which are more expensive and less flexible than the new-generation software data bases produced...

... aggressively move major applications off their mainframes and onto smaller machines that run the new data base software.

A hierarchical data base is built independently, free of software rules, and tends to get increasingly complex and difficult...

...for Informix because it is most heavily concentrated in Unix.

"Informix is at the right place at the right time," said Charles Phillips, a software analyst at Soundview Financial Group in Stamford, Conn. "The heyday of Unix is approaching, and Informix is superbly positioned for that."

Informix isn't without its challenges, not the least of which is Oracle...

...s a \$1.2 billion company with a big sales force and round-the-clock customer support, and that can do a lot of damage."

Use breeds growth

But most analysts say there will be enough growth in the software data base market for several players to prosper, at least for the next few years. Best of all, some say...

... As companies buy these data bases, they realize they can retrieve more information in more different ways and ultimately serve their customers better," said Judith Hurwitz, president of Hurwitz Consulting Group, a Newton, Mass., software consulting firm...

... for the long-term by implementing a number of efficiency measures, such as a computerized order-entry system that significantly reduced time-consuming ...of arrival and the possible loss of the sale.

"The more rapidly we can introduce customer-service enhancements, the more effectively we can compete," Kerr said.

#### COMPANY PROFILE

Informix Corp.

(box...

15/3,K/5 (Item 1 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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02522643 DOCUMENT TYPE: Company

**MicroStrategy Inc (522643)**  
8000 Towers Crescent Dr  
Vienna, VA 22182 United States  
TELEPHONE: (703) 848-8600  
FAX: (703) 848-8610  
HOMEPAGE: <http://www.microstrategy.com>  
EMAIL: [info@strategy.com](mailto:info@strategy.com)

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation  
EQUITY TYPE: Private  
STATUS: Active

SALES: NA

DATE FOUNDED: 1989

PERSONNEL: Saylor, Michael J, Chief Executive Officer; Brown, Eric,  
President; Saylor, Michael J, Chairperson; Brown, Eric, Chief Financial  
Officer; Bansal, Sanju K, VP; Bansal, Sanju K, Chief Operating Officer;  
Sanchez, Eduardo, VP Sales; Bedell, Jeffrey, VP; Bedell, Jeffrey, Chief  
Technology Officer; Driscoll, Eric, VP

REVISION DATE: 20011006

...consulting services. It specializes in the development of business,  
financial, and market analysis applications that **integrate** local and  
mainframe **databases**, graphical **clients**, spreadsheets, and  
multidimensional **modeling** engines.

15/3,K/6 (Item 2 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01708119 DOCUMENT TYPE: Product

**PRODUCT NAME: AMPL Plus 1.5 (708119)**

ILOG Inc (546291)  
1080 Linda Vista Ave  
Mountain View, CA 94043 United States  
TELEPHONE: (650) 567-8000

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 990310

...language from AT&T Bell Labs. It offers significant ease-of-use  
advantages including a **multiple** document interface window that allows  
users to review, edit and execute projects involving **multiple model** and  
**data files**. The software also provides sophisticated data access  
facilities. One is that data can be loaded...  
...text files or extracted from any ODBC-compatible data management system  
including spreadsheets, desktops and **client /server** databases. The full

power of SQL can be used to selectively retrieve input data...

...Active data values can be reviewed and edited at the click of a button. The **status** window interactively reports solver progress and allows the solution process to be suspended or interrupted...

...s open solver protocol, the solvers incorporate a powerful callback functionality to enable real-time **status** reporting and interrupt support. Other third-party solvers can be straightforwardly modified to interface with...

15/3,K/7 (Item 3 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01504726 DOCUMENT TYPE: Product

PRODUCT NAME: Velocis Database Server 3.0 (504726)

Centura Software Corp (427161)  
975 Island Dr  
Redwood Shores, CA 94065 United States  
TELEPHONE: (650) 596-3400

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 000000

...0, an embedded database server for e-business, has functions and features in the following **categories** : database integrity, availability, scalability, data a types supported, performance features, and concurrency controls. Standards supported...

...Unicode, and compliant Open Database Connectivity (ODBC) interface, Level 1 and most of Level 2. **Many** server and operating systems (OSs) are supported, including, among others, AIX, Windows 95/98/NT, Windows 2000, Linux, and HP-UX. Among **clients** supported are Solaris for Intel and SPARC, AIX, and UnixWare. Native programming languages supported are...

...NetBIOS, shared memory, TCP/IP, Windows Sockets, UNIX domain sockets, Win 32 named pipes, and **Multiple** Simultaneous Protocol Support ( **client** and server). Velocis Database Server 3.0 is a robust cross-platform database server for...

...Velocis Database Server 3.0 loads application processing on the database server and deploys thin- **client** and browser-enabled architectures. The expanding network infrastructure possible with robust SMP servers and multithreaded operating systems such as Windows NT is supported. Flexible **database models merge** the most effective of two tried and true database paradigms: CREATE JOIN feature and application...

...table-locking for productive bulk operations. Data integrity is enhanced by support for the referential **database model** as defined in the 1989 ANSI SQL standard. Availability is very high, and portability over **multiple** OSs makes Velocis Database Server versatile.

15/3,K/8 (Item 4 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01259748 DOCUMENT TYPE: Product

PRODUCT NAME: Microsoft SQL Server 7.0 (259748)

Microsoft Corp (112127)  
1 Microsoft Way  
Redmond, WA 98052-6399 United States  
TELEPHONE: (425) 882-8080

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 990729

Microsoft SQL Server 7.0 is a relational database server. **Customer** requirements have driven significant product innovations, especially in the areas of ease of use, scalability...

...data warehousing. It is designed to be an industry leader in the fastest growing application **categories**, including business operations, business intelligence, mobile workforces, and e-commerce. Important areas of leadership and...

...the enterprise using the same code base with 100 percent code compatibility; simplified management with **many** new Wizards; automated configuration and tuning; integrated OLAP services; integrated data transformation services; integrated text...

...high-performance access to a variety of information sources. Ease of use is important for **customers** who are looking for solutions to business problems. Microsoft's strategy is to make SQL...

...and deploying business applications. This means automating configuration and providing a fast and simple programming **model**. **Database** developers and administrators are scarce commodities -- SQL Server is designed to let them focus on...

...the low end, systems adapt to the needs of their environment, hiding the complexity of **many** operations. Scalability and reliability are critical because **customers** make major investments in database management systems -- in licensing and building applications, and in the...

DESCRIPTORS: Database Servers; Database Management; Program Development  
Aids; Embedded Systems; Data Warehouses; **Client** /server; Network  
Software; Distributed Processing

15/3,K/9 (Item 5 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01036731 DOCUMENT TYPE: Product

PRODUCT NAME: Centura RDM Database Manager 5.0 (036731)

Centura Software Corp (427161)  
975 Island Dr  
Redwood Shores, CA 94065 United States  
TELEPHONE: (650) 596-3400

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 000000

...C API calls. It combines the benefits of relational and pointer-based database models in **order** to allow developers to choose their preferred model or receive the **combined** benefits of both **models**. Century RDM **Database** Manager uses only a small amount of RAM and disk space and can modify page...

15/3,K/10 (Item 6 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00124959 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft SQL Server 2000 Beta 2 (797014)

TITLE: Microsoft Touts SQL Server 2000, DNA at TechEd  
AUTHOR: Emigh, Jacqueline  
SOURCE: ent, v5 n11 p32(2) Jun 28, 2000  
ISSN: 1085-2395  
HOMEPAGE: <http://www.entmag.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20001230

...and should ship in 2Q00. In recent test results, SQL Server performed 227,079.15 **order** transactions per minute, a **rate** much higher than those of UNIX competitors. Tests were conducted on SQL Server Enterprise Edition ...  
...Server 2000's data mining and analysis. Among tools currently available is OLE DB for **Data Mining**, which **integrates** Predictive **Model Markup Language**, an XML-based language for sharing data models among multiple vendor applications. Several...

15/3,K/11 (Item 7 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00124376 DOCUMENT TYPE: Review

PRODUCT NAMES: Metaphor Mixer (406759); VisualMine (007374); Visualizer (753475); Data Explorer (402591)

TITLE: Eye Spy  
AUTHOR: Grushkin, Barry  
SOURCE: Intelligent Enterprise, v3 n9 p22(3) Jun 5, 2000  
ISSN: 1524-3621  
HOMEPAGE: <http://www.intelligententerprise.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20000930

...Clementine data miner and is a mixture of visualization and data mining methods. Visalizer will **integrate** with the cubes, or **hierarchically** indexed, multidimensional **database** schema that OLAP products use, to create images via menu operations. Data Explorer (DX) offers a visualization programming library; component modules are moved into **place** to form data-to-image processing streams.

15/3,K/12 (Item 8 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00122663 DOCUMENT TYPE: Review

PRODUCT NAMES: PowerSHAPE 2.3 (795895); PowerMILL 2.5 (667901)

**TITLE:** PowerSHAPE, PowerMILL  
**AUTHOR:** Christman, Alan  
**SOURCE:** Computer-Aided Engineering, v19 n2 p45(2) Feb 2000  
**ISSN:** 0733-3536  
**HOMEPAGE:** <http://www.penton.com/cae/>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Review  
**GRADE:** A

**REVISION DATE:** 20001222

...machine shops. PowerSHAPE, an internally developed, proprietary hybrid modeler, provides Boundary representation solid and surface modeling abilities. A fully integrated database allows users to do solid and surface modeling on the same component and to jump...

...allow automatic creation of draft surfaces, parting lines, and parting surfaces. All milling operations take place in PowerMILL, a native Windows NT application in which machining is done on a tessellated...

15/3,K/13 (Item 9 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00117899 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Sybase Adaptive Server Anywhere 6.0 (704725)

**TITLE:** Sybase extends mobility of its database  
**AUTHOR:** Tyo, Jay  
**SOURCE:** InfoWorld, v21 n26 p53(2) Jun 28, 1999  
**ISSN:** 0199-6649  
**HOMEPAGE:** <http://www.infoworld.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Review  
**GRADE:** B

**REVISION DATE:** 20010430

...is part of SQL Anywhere Studio 6.0, which also provides such tools as SQL Modeler for database design; Sybase Central for administering databases designed with Studio 6.0; and InfoMaker for reporting...

...to have available a local copy of the corporate database when they are meeting with customers and vendors, for easier access to products, prices, orders, and so on. When setup is completed, users have a SQL script that runs to create an extract data set, an architecture that eases deployment to multiple users. ASA manages remote machines from a central PC, and UltraLite applications are very small...

15/3,K/14 (Item 10 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00116914 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Darwin (613932); MindSet (754471); SAS Enterprise Miner (669318)

**TITLE:** Mining Your Business  
**AUTHOR:** Deck, Stewart  
**SOURCE:** Computerworld, v33 n20 p94(4) May 17, 1999  
**ISSN:** 0010-4841  
**HOMEPAGE:** <http://www.computerworld.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20010430

...optimize mailings; analyze data warehouses to provide enlightenment from data; and to learn more about **customers** in **order** to increase catalog mailings and sales. These users mine their own data, and have found **multiple** ways to ensure success. For example, granular, clean data is important, as are knowing the...

...RDBMS to create a segmentation model and a mailstream optimization model; the latter shows which **customers** are likely to buy products in existing catalog mailings. Health care analyst Axios uses Darwin...

...software allows Vermont Country Store to home in on seasonal shopping trends and particular product **categories** that target particular **customers**.

DESCRIPTORS: Decision Support Systems; **Regression** Analysis; Catalogs;  
**Data Mining**; Data Warehouses; Internet Marketing; Market Research;  
Information Retrieval; Retailers

15/3,K/15 (Item 11 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00116479 DOCUMENT TYPE: Review

PRODUCT NAMES: **Cerebellum 1.2 (749613)**

TITLE: **Cutting through the Babel of Disparate Databases**  
AUTHOR: King, Nelson  
SOURCE: Internet World, v5 n17 p26(1) May 3, 1999  
ISSN: 1097-8291  
HOMEPAGE: <http://www.iw.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

REVISION DATE: 19990630

Cerebellum Software's Cerebellum 1.2, an application development tool and middleware server, is **rated** very good overall for its ability to map data from disparate databases to create a platform-neutral virtual **database model**. **Databases** from Oracle, IBM, and Sybase are supported. Cerebellum's 'agencies,' or servers, broker various data...  
...a platform-neutral virtual data model that results in mapping of physical data in each **different** database to an abstraction that deploys the common elements in all the databases. For instance...

...Server, IBM DB2, and Informix's databases. The Cerebellum user interface is comprised of three **client** modules, Administrator, Designer, and Agentprobe. The highly graphical UI provides a sensible, but elaborate approach...

15/3,K/16 (Item 12 from file: 256)  
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00113390 DOCUMENT TYPE: Review

PRODUCT NAMES: **CRISP-DM (840076); ModelQuest Miner (732001);**

KnowledgeSEEKER (576115); FAME TimeIQ Suite (732028); Database Mining  
Marksman (664871)

**TITLE: Data Mining Standard Works Across Industries**

**AUTHOR:** Sullivan, Dan

**SOURCE:** e-Business Advisor Magazine, v16 n11 p24(7) Nov 1998

**ISSN:** 1098-8912

**HOME PAGE:** <http://www.advisor.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Product Analysis

**GRADE:** Product Analysis, No Rating

**REVISION DATE:** 20010331

Over 50 PC-based data-mining software tools that use the **CRoss** Industry Standard Process for **Data Mining** (CRISP-DM), including AbTech's **ModelQuest** Miner, KnowledgeSEEKER from Angoss International, BusinessMiner from Business Objects, Fame Information Services' FAME TimeIQ Suite...

...is an analytical data mining engine that can manage neural network-based models and automate **customer** -data profiling.

15/3,K/17 (Item 13 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00112291 DOCUMENT TYPE: Review

**PRODUCT NAMES:** COOL:Biz (726095); COOL:Spex (726109); COOL:Gen (726117);  
COOL:Jex (726125); COOL:Plex (726133)

**TITLE: Sterling's Heart Is in the Right Place**

**AUTHOR:** Kara, Dan

**SOURCE:** Software Magazine, v18 n13 p22(2) Oct 1998

**ISSN:** 0897-8085

**HOME PAGE:** <http://www.softwaremagazine.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Product Analysis

**GRADE:** Product Analysis, No Rating

**REVISION DATE:** 20000430

**TITLE: Sterling's Heart Is in the Right Place**

...preconstructed, high-level business objects and their related specifications. Sterling's products are designed to **differentiate** between run-time and design-time reuse. COOL:Gen, a full life cycle generative modeler that supports component development, runs on **many** platforms and execution environments, including **client** /server, the Web, and the mainframe. COOL:Biz captures business requirements, while COOL:Spex models business components. COOL:Jex, a UML-based component and **database modeler**, generates and reverse-engineers C++, while COOL:Plex generates total applications in C++, RPG, and...

15/3,K/18 (Item 14 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00110574 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Designer/2000 2.1 (556343)

**TITLE: Oracle tool kit simplifies design**

**AUTHOR:** Tate, Debi



SOURCE: LAN Times, v15 n18 p19(1) Aug 31, 1998  
ISSN: 1040-5917  
HOMEPAGE: <http://www.lantimes.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

REVISION DATE: 20010331

Oracle's Designer/2000 2.1, a robust **client** /server and Web application development toolkit, gets very good marks overall, although it is much too difficult to configure. Features and ease of use are **rated** excellent, while interoperability and overall value are good. Testers found that business process, data modeling...

...and that the product is complete and priced toward the low end. It interfaces with **multiple** environments and gives developers an integrated group of design applications that are particularly useful in...

...Development (RAD) and JAD (Joint Application Design) methods for software development. However, testers found too **many** proprietary requirements during the very difficult configuration process. Oracle Web Application Server had to be...

...Designer/2000 2.1 was installed with the 'seeded,' or preconfigured repository on a local **database**. The Process **Modeler** performs business **modeling**, and diagrams features animation, audio and video. The Database and Application Transformers output SQL commands...

DESCRIPTORS: Program Development Aids; **Client** /server; Internet Utilities  
; Oracle; Program Generators; Logical Data Modeling

15/3,K/19 (Item 15 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00108643 DOCUMENT TYPE: Review

PRODUCT NAMES: Modell 3.1 (703346)

TITLE: **Modell** deftly parses customer characteristics  
AUTHOR: Hollander, Geoffrey  
SOURCE: InfoWorld, v20 n21 p148(1) May 25, 1998  
ISSN: 0199-6649  
HOMEPAGE: <http://www.infoworld.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

REVISION DATE: 19980830

TITLE: **Modell** deftly parses customer characteristics

**Group1** Software's **Modell** 3.1, a **data** mining package, gets very good marks overall. It profiles, segments, and **rates** **customers** to dependably home in on high-potential marketing prospects and repeat **customers**. Advantages include automated ability to run and cross-validate standard modeling algorithms; creation, saving, and recall of variables' configurations to easily operate in **multiple** scenarios; and the ability to gain access to and use models from other **Modell** operations...

...needed is a good understanding of statistical logic. Four mining modules are provided: Response Modeler, **Customer** Segmentor, Cross-seller, and **Customer** Valuator. During testing, Response Modeler enhanced direct response by targeting prospects based on demographic, lifestyle, psychographic, and purchasing history. **Customer** Segmentor separates out

**customer** characteristics and establishes whether they fall into distinctive and actionable groups. Cross-seller determines who...

...likely prospects are to buy a particular product, based on who bought other targeted products. **Customer** Valuator predicts the life-time value of each **customer** according to repeated purchases, money spent, and length of time buying.

15/3,K/20 (Item 16 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00107396 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Windows NT (347973); Microsoft Site Server (658057)

TITLE: Build Secure Electronic Commerce Sites with Windows NT and Site Se...  
AUTHOR: Jerke, Noel E  
SOURCE: Databased Web Advisor, v16 n3 p14(7) Mar 1998  
ISSN: 1090-6436  
HOMEPAGE: <http://www.advisor.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20010330

...The system is designed to ensure that the system cannot be compromised and that private **shopper** information is not stolen, including credit card information. To secure the browser, users can employ...  
...on users' needs to gain access to specific resources. To secure the Microsoft SQL Server **database**, users have three logon security **models** to work with: standard, **integrated**, and mixed. Standard is the default and separates the logon validation scheme for user IDs...

15/3,K/21 (Item 17 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00101365 DOCUMENT TYPE: Review

PRODUCT NAMES: Cumulus Media Management System Network 3.0 (472964)

TITLE: Canto Cumulus 3 soars above other media managers  
AUTHOR: Crosten, Mark  
SOURCE: MacWEEK, v11 n12 p31(2) Mar 24, 1997  
ISSN: 0892-8118  
HOMEPAGE: <http://www.macweek.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

REVISION DATE: 20001130

Canto Software's Cumulus Media Management System Network 3.0, a five user, **client** /server media management/image database product for Macintosh users, is **rated** very good overall, especially for its new **category** organization, which is easy to search; well-designed drag-and-drop features, a new Internet...  
...Priced at the high end, Network is the version reviewed. Hierarchical keywords are supplanted with **categories**, or virtual folders like those of the **hierarchical** Finder. A complete Cumulus **database** can be viewed in a

file-folder format, and dragging a **category** folder to the Finder creates a new folder that is designated the same as the **category** and holds copies of all images. The **category** structure, although it requires some rethinking of keyword use, is a more useful relational design...

...For instance, users can relate 'cocoa' to 'chocolate,' which can then be related to 'candy.' **Many** other useful features are described, including filters that support 45 file formats, **multiple** thumbnail sizes, time-saving drag-and-drop adapters, and workflow automation for those with AppleScript...

15/3,K/22 (Item 18 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00092438 DOCUMENT TYPE: Review

PRODUCT NAMES: **Business Geographics (834181)**

TITLE: **Building a Market Model with a Geographic Database**  
AUTHOR: Montgomery, Glenn E  
SOURCE: Business Geographics, v4 n6 p44(1) Jun 1996  
ISSN: 1067-456X  
HOMEPAGE: <http://www.bg.geoplace.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 19961130

TITLE: **Building a Market Model with a Geographic Database**

...intelligence systems to better define and act on market opportunities. Data is often culled from **different** sources, integrated, and analyzed. Business geographics applications support varied data sources, including data from the utility, which includes **customer** consumption trends and end use, tariffed **rates**, locations of physical utility assets, and long/short term business objectives. Other data come from commercial sources, including demographics and business/economic information providers, competitors' **rate** structures, and economic development data. Effective geographic databases **rank** a series of important market change influencers that have an extensive effect on market dynamics...

15/3,K/23 (Item 19 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00090717 DOCUMENT TYPE: Review

PRODUCT NAMES: **PowerPlay 5.0 (243477)**

TITLE: **Cognos scores with PowerPlay update**  
AUTHOR: Taschek, John  
SOURCE: PC Week, v13 n15 p1(2) Apr 15, 1996  
ISSN: 0740-1604

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

REVISION DATE: 20000430

TITLE: **Cognos scores with PowerPlay update**

...ease of use and modeling functions that make it the industry leader.

PowerPlay is a **client** -side product that works with relational **databases** to support **many** corporate **modeling** needs. With OLAP products users can view corporate data dimensionally as with cross-tab reports...

DESCRIPTORS: Decision Support Systems; Client /server; Database Management; Business Models ; Program Development Aids; Network Software

15/3,K/24 (Item 20 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00087270 DOCUMENT TYPE: Review

PRODUCT NAMES: PowerBuilder (335916); Sybase S-Designer (592536); SELECT Enterprise Visual Basic (663204); ERwin (331627); Cast Workbench (578886)

TITLE: The Evolution of Client /Server CASE  
AUTHOR: Frank, Maurice  
SOURCE: DBMS, v9 n1 p67(5) Jan 1996  
ISSN: 1041-5173  
HOMEPAGE: <http://www.dbmsmag.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20001222

TITLE: The Evolution of Client /Server CASE

...and has strong support for schema generation and reverse engineering. Cast Software's Cast Workbench integrates data modeling with database administration tools.

15/3,K/25 (Item 21 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00084501 DOCUMENT TYPE: Review

PRODUCT NAMES: DCE (834025)

TITLE: Move to distributed computing models puts database spotlight on...  
AUTHOR: Rymer, John R  
SOURCE: Network World, v12 n35 p52(1) Aug 28, 1995  
ISSN: 0887-7661  
HOMEPAGE: <http://www.nwfusion.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 19990830

TITLE: Move to distributed computing models puts database spotlight on.....

...network links. This will increase the importance of the network manager in maintaining business applications. **Many** companies adopting **client** /server have made their DBMSs the center of their architectures and depend on a database server to manage, store, and retrieve data and perform other tasks. However, the concentration of **multiple** services in the DBMS server has become inflexible. One major goal of **client** /server architectures is

to place these functions into separate servers.

DESCRIPTORS: Distributed Processing; Network Software; Client /server;  
Database Management

15/3,K/26 (Item 22 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00083933 DOCUMENT TYPE: Review

PRODUCT NAMES: Client /server (832383); Database Management (830025)

TITLE: Building From Strength  
AUTHOR: Quinlan, Tim  
SOURCE: Database Programming & Design, v8 n9 p24(7) Sep 1995  
ISSN: 0895-4518  
HOMEPAGE: <http://www.dbpd.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 19990830

PRODUCT NAMES: Client /server...

The steps required to develop an enterprise client /server database design are explored. Proper planning, modeling, and performance analysis in advance can prevent many problems encountered tackling the difficult task of determining where data should be stored. Most users...

...begin wanting data stored on a local server, because of performance issues and availability of client /server features. These include stored procedures, basic or binary large objects, and complex data types...

...may not be the best choice. The four steps required to build a high-level client /server architecture are discussed thoroughly; they are data gathering, distribution analysis, architecture evaluation, and detailed design. When these steps are completed, users can decide data placement issues from a more logical, pragmatic, and informed perspective.

DESCRIPTORS: Client /server; Database Management; Network Software;  
Distributed Processing; Program Development Aids

15/3,K/27 (Item 23 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00083758 DOCUMENT TYPE: Review

PRODUCT NAMES: Games (834351)

TITLE: 3D Database Design for Real-Time Simulation  
AUTHOR: Hoffman, Wes  
SOURCE: Computer Graphics World, v18 n10 p67(3) Oct 1995  
ISSN: 0271-4159  
HOMEPAGE: <http://www.cgw.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 19990530

...same technical issues faced by designers of high-end simulation

programs. These issues include frame **rate** , level of detail, and culling. Before creating a 3D game, the developer needs to create...

...algorithmic database provides more detailed terrain, but at the cost of slower performance. The hand- **modeled databases** provide more creative freedom, and **combine** polygons with vertices and textures to create a realistic illusion while keeping CPU usage to...

15/3,K/28 (Item 24 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00070703 DOCUMENT TYPE: Review

PRODUCT NAMES: Obsydian (520942)

TITLE: Synon Building Future on Obsydian AD Toolset  
AUTHOR: Shaw, Steve  
SOURCE: News 3X/400, p36(1) Oct 1994  
ISSN: 1040-6093

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20001130

...build them from scratch for each application. The tool incorporates design tools, class libraries, and **several different** environment generators. The design tools include graphical diagramming utilities for business **modeling** and **database** design, and a GUI editor for designing user interfaces. The class library, the central element of Obsydian, includes an expandable source of reusable objects in three **categories** : design objects, business objects, and application frameworks. Obsydian runs on Windows PCs, and includes AS/400 generators for both **client** /server and non-programmable terminals.

...DESCRIPTORS: Development Aids; Object Oriented Languages; IBM AS/400;  
Logical Data Modeling; Components; IBM PC & Compatibles; **Client**  
/server; Windows; Network Software

15/3,K/29 (Item 25 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00069042 DOCUMENT TYPE: Review

PRODUCT NAMES: Client /server (832383)

TITLE: 3-Tier C/S: New Way, Not Upgrade  
AUTHOR: Tebbe, Mark  
SOURCE: PC Week, v11 n38 p24(1) Sep 26, 1994  
ISSN: 0740-1604

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 19950130

PRODUCT NAMES: Client /server...

More companies are beginning to adopt **client** /server systems, but as this occurs, they are being presented with decisions about three-tier architectures. Three-tier is not an upgrade from two-tier; however, it is a **different** way of partitioning applications that takes advantage of a

mixed set of servers and **clients** . The two-tiered method is still appropriate in **many** cases. In a two-tiered **model** , the **client** communicates with a **database** server, and the business logic is **placed** either on the **client** or on the server. With the three-tiered model, the user interface resides on the **client** , business logic on a separate platform, and the database on a server. Two-tiered **client** /server is still appropriate for smaller companies just starting in **client** /server or departmental solutions with a small number of homogeneous databases. Three-tiered **client** /server is used for enterprisewide applications with more complex logic.

DESCRIPTORS: **Client** /server; Program Development Aids; Network Software; Distributed Processing

15/3,K/30 (Item 26 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00065704 DOCUMENT TYPE: Review

PRODUCT NAMES: **Customer One** (513261); **Business Engine** (513288)

TITLE: **New Groupware Integrates Business Tasks**  
AUTHOR: Streeter, April  
SOURCE: LAN Times, v11 n12 p44(1) Jun 27, 1994  
ISSN: 1040-5917  
HOMEPAGE: <http://www.lantimes.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20010930

PRODUCT NAMES: **Customer One...**

BateTech Software and Micro-Frame Technologies both introduced integrated business tools based on **client** /server **database models** . BateTech's **Customer -One combines customer - order** and service-request forms with problem tracking and help features. It works with Microsoft's...

...mail and online references. Administrators can set up database rights and password privileges for outside **customers** or vendors using modems. Micro-Frame will begin shipping BE:Portfolio, a project management and...

...line is designed to help businesses integrate project management, financial, and accounting modules into a **client** /server planning system tying together data from **different** sources.

DESCRIPTORS: Technical Support; **Customer** Service; Network Administration Tools; **Order** Entry; **Order** Processing; Windows; IBM PC & Compatibles ; Windows NT/2000; Project Management; Network Software; LANs; Groupware; **Client** /server

Set	Items	Description
S1	1	AU=(GORENSTEIN A? OR GORENSTEIN, A?)
S2	113422	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	383276	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINAN()ANALYS? OR TREE()INDUCT? - OR CHAID OR THAID
S4	103250	DATABASE? OR DATA() (BASE? OR BANK? OR FILE? OR MINE? OR MI- NING) OR DATAMIN? OR DATAFILE?
S5	1006096	COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULT- ANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?
S6	1162692	MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONAL? OR - VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR NEXT?
S7	1183160	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	82057	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET(2N)MARKET?
S9	283	(S2 OR S3) (S) S4 (S) S5 (S) S6 (S) S7 (S) S8
S10	116	S9 AND IC=G06F-017?
S11	7	(S2 OR S3) (5N) S4 (5N) S5 (S) S6 (S) S7 (S) S8
S12	3356	(S2 OR S3) (5N) S4
S13	58412	(S5 OR S6) (3N) (S2 OR S3)
S14	511	S12(S) S13
S15	192	S14(S) S7
S16	49	S15(S) S8
S17	53	S11 OR S16
S18	24	S17 AND IC=G06F-017?
S19	24	IDPAT (sorted in duplicate/non-duplicate order)
S20	24	IDPAT (primary/non-duplicate records only)
File 348:EUROPEAN PATENTS 1978-2002/Jan W04		
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File 349:PCT FULLTEXT 1983-2002/UB=20020131,UT=20020124		
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20/5/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00831851 \*\*Image available\*\*

**SYSTEM AND METHOD FOR CONFIGURING PRODUCTS OVER A COMMUNICATIONS NETWORK  
SYSTEME ET PROCEDE DE CONFIGURATION DE PRODUITS PAR L'INTERMEDIAIRE D'UN  
RESEAU DE TELECOMMUNICATIONS**

Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200165441 A1 20010907 (WO 0165441)

Application: WO 2001US3878 20010206 (PCT/WO US0103878)

Priority Application: US 2000185954 20000229; US 2000643841 20000822

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8410

**English Abstract**

A system and method for the automated selection of formulations and/or formulation components by specifying product characteristics serve customers within market segments that use selected components as raw materials for manufacture of specialty products. Customers enroll at a web site (20b') to find, research, store, compare and manage formulations.

**French Abstract**

L'invention porte sur un systeme et un procede de selection automatique de formules ou de composants de formules, qui en specifiant les caracteristiques de produits, presentent aux clients des segments du marche utilisant des composants selectionnes comme materiaux de base pour la fabrication de produits specialises. Les clients s'inscrivent sur un site du web (20b') afin de trouver, rechercher, stocker, comparer ou gerer des formules.

Legal Status (Type, Date, Text)

Publication 20010907 A1 With international search report.

Claim Mod 20011101 Later publication of amended claims under Article 19  
received: 20010808

Republication 20011101 A1 With international search report.

Republication 20011101 A1 With amended claims.

20/5/2 (Item 2 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00822299 \*\*Image available\*\*

**METHOD AND SYSTEM FOR THE DISPLAY OF BUSINESS DATA FROM MULTIPLE SOURCES  
PROCEDE ET SYSTEME D'AFFICHAGE DE DONNEES COMMERCIALES ISSUES DE PLUSIEURS**

## SOURCES

### Legal Representative:

SUNSTEIN Bruce D (et al) (agent), Bromberg & Sunstein LLP, 125 Summer Street, Boston, MA 02110-1618, US,

### Patent and Priority Information (Country, Number, Date):

Patent: WO 200155937 A2 20010802 (WO 0155937)

Application: WO 2001US2587 20010126 (PCT/WO US0102587)

Priority Application: US 2000178853 20000128

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 20771

### English Abstract

A method for presenting business data using a computer system. Business data, which need not be part of a single data structure in any format, of at least one enterprise is associated with a business model. The business model has at least one indicator pertinent to performance of a business and at least one category identifying an aspect of the business to which the indicator may be pertinent. For each pair of indicator and category in the business model, there may exist a parameter, which is derivable from the business data and not necessarily pre-existing in such business data. Pursuant to a query that defines one or more indicator-category pairs, the business data is used to derive values of one or more parameters corresponding to the one or more indicator-category pairs in the query.

### French Abstract

L'invention concerne un procede permettant la presentation de donnees commerciales au moyen d'un systeme informatique. Les donnees commerciales d'une entreprise au moins, lesquelles donnees n'ont pas a faire partie d'une structure de donnees unique dans un format quelconque, sont associees a un modele commercial. Ledit modele commercial comporte au moins un indicateur pertinent en termes de performances d'une societe et au moins une categorie identifiant un aspect de la societe pour lequel l'indicateur peut s'averer pertinent. Chaque paire constituee d'un indicateur et d'une categorie du modele commercial peut etre assortie d'un parametre, que l'on peut deduire des donnees commerciales et qui n'existe pas necessairement au prealable dans lesdites donnees. Apres une demande definissant une ou plusieurs paires indicateur-categorie, on utilise ces donnees commerciales pour deduire les valeurs d'un ou de plusieurs parametres correspondant a l'une ou a plusieurs paires indicateur-categorie de la demande.

### Legal Status (Type, Date, Text)

Publication 20010802 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011115 Request for preliminary examination prior to end of 19th month from priority date

20/5/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00816815 \*\*Image available\*\*

**METHODS AND APPARATUS FOR RAPID DEPLOYMENT OF A VALUATION SYSTEM**

**PROCEDES ET DISPOSITIF POUR LE DEPLOIEMENT RAPIDE D'UN SYSTEME D'EVALUATION**

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200150348 A2 20010712 (WO 0150348)

Application: WO 2000US34916 20001221 (PCT/WO US0034916)

Priority Application: US 99173695 19991230; US 2000741211 20001219

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/30**

Publication Language: English

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14611

**English Abstract**

An integrated system (300) organizes a company's experiences, operating procedures, best practices, information sources, competitive information and analytical tools. The goal is increasing profitability within a due diligence process while facilitating ongoing operations. The system incorporates a method for collaborating on due diligence issues to affect knowledge building within due diligence teams. The method includes accessing stored, accumulated knowledge in a repository from prior due diligence exercises, applying to due diligence decisions criteria based on consolidated analytical building blocks of past due diligence exercises and storing newly accumulated knowledge from the current due diligence exercise into the repository of accumulated knowledge.

**French Abstract**

Selon l'invention, un systeme integre (300) organise les experiences, les modes de fonctionnement, les pratiques exemplaires, les sources d'information, les informations liees a la concurrence et les instruments d'analyse d'une societe. L'objectif est d'augmenter la rentabilite dans le cadre d'un processus de concertation tout en facilitant les operations en cours. Le systeme selon l'invention integre un procede de collaboration sur des questions de concertation pour influencer la constitution de connaissances au sein d'equipes de concertation. Le procede selon l'invention comprend l'accès a des connaissances accumulees et stockees dans des archives, provenant d'exercices de concertation anterieurs, l'application de criteres de decisions de concertation sur la base de modules analytiques consolides d'exercices de concertation anterieurs, ainsi que le stockage de connaissances nouvellement acquises a partir des exercices de concertation en cours dans les archives de connaissances accumulees.

Legal Status (Type, Date, Text)

Publication 20010712 A2 Without international search report and to be  
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Examination 20011018 Request for preliminary examination prior to end of  
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DIALOG(R) File 349: PCT FULLTEXT

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00806392

**TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A  
NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF**

**PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE  
DANS UN ENVIRONNEMENT DU TYPE CHAÎNE D'APPROVISIONNEMENT RESEAUTÉE, ET  
PROCÉDÉ ASSOCIÉ**

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, P.O. Box 52037, Palo  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139086 A2 20010531 (WO 0139086)

Application: WO 2000US32310 20001122 (PCT/WO US0032310)

Priority Application: US 99444653 19991122; US 99447623 19991122

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DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/60**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 156214

**English Abstract**

A system, method, and article of manufacture are disclosed that controls the network and manages resources for managing network assets through asset tracking in an e-Commerce-based supply chain framework. Features include automatically caching web content, providing proxy services, managing load balancing such as spreading tasks among servers and rerouting data around problems. The capability to reroute data around problems includes identifying and automatically bypassing an unavailable network object. Additional features may include a capability to enable remote access and providing integrated firewall services. The remote access capabilities include enabling a high density modem pool and providing a remote access point. The integrated firewall services on the network includes storing and reporting firewall functions and firewall attacks.

**French Abstract**

L'invention concerne un système, un procédé, et un article de manufacture permettant de commander le réseau et d'en gérer les ressources de manière à gérer le parc informatique par le suivi des ressources dans un cadre du type chaîne d'approvisionnement basée sur le commerce électronique. Parmi les fonctions qu'offre le système de l'invention figurent : la mise en mémoire cache automatique des contenus Web, l'offre de services proxy, la gestion de l'équilibrage des charges, notamment la répartition des tâches entre serveurs et le re-routage des données en cas de problème. Cette fonction de re-routage des données en cas de problème assure l'identification et le contournement automatique d'un objet réseau non disponible. Parmi les autres fonctions, notons la possibilité de permettre un accès à distance et l'offre de services pare-feu intégrés. Les fonctions d'accès à distance passent par l'activation d'un groupe de modems haute densité et la création d'un point d'accès à distance. Les services pare-feu intégrés du réseau gèrent le stockage et la signalisation des fonctions pare-feu et des attaques au niveau des pare-feu.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be  
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Examination 20010927 Request for preliminary examination prior to end of  
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DIALOG(R)File 349:PCT FULLTEXT  
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00806384

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND  
METHOD THEREOF

GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT  
DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK  
DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 171499

English Abstract

A system, method and article of manufacture are provided for asset management in a network-based supply chain. Utilizing a network, information is received information from at least one service provider. This information includes information relating to present network assets of the service provider. Information is also received utilizing the network from at least one manufacturer. The information from the manufacturers includes information relating to present network assets of the manufacturers. A determination is made for optimal network assets needed for the service provider and manufacturer based on the present network assets of service provider and the manufacturer. Based on this determination, the optimizing of the network assets is managed.

French Abstract

L'invention concerne un systeme, un procede et un article de fabrication destines a la gestion d'actifs dans une chaine d'approvisionnement en reseau. Ce dernier permet de recevoir des informations provenant d'au moins un prestataire de services. Ces informations renferment des elements d'information se rapportant aux actifs actuels en reseau dudit prestataire. Elles sont egalement recues par le biais du reseau en provenance d'au moins un fabricant. Les informations des fabricants comportent des elements d'information se rapportant aux actifs actuels en reseau des fabricants. On determine les actifs en reseau optimaux necessaires au prestataire de services et au fabricant sur la base des actifs actuels en reseau desdits prestataire de services et fabricant. Cette determination permet de gerer l'optimisation des actifs en reseau.

Legal Status (Type, Date, Text)

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DIALOG(R)File 349:PCT FULLTEXT

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00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING  
DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
AND METHOD THEREOF

PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES  
STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN  
ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET  
PROCEDE ASSOCIE

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE  
DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 157840

English Abstract

A system, method and article of manufacture are provided for  
collaborative capacity planning during demand and supply planning in a  
network-based supply chain. Data access is provided from multiple  
simultaneous data sources utilizing a network for demand and supply  
planning in a network-based supply chain having at least one service  
provider and at least one manufacturer. Capacity data is stored utilizing  
the network.

French Abstract

On decrit un systeme, un procede et un article manufacture qui permettent  
d'effectuer la planification en collaboration des capacites lors de la  
planification de l'offre et de la demande dans une chaine  
d'approvisionnement fondee sur le reseau. L'accès aux donnees provient  
d'une pluralite de sources de donnees simultanees auxquelles on accede  
par un reseau en vue d'effectuer la planification de l'offre et de la  
demande dans une chaine d'approvisionnement fondee sur le reseau  
comprenant au moins un fournisseur de service et au moins un fabricant.  
Des donnees de capacite sont stockees au moyen du reseau.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be  
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Examination 20011206 Request for preliminary examination prior to end of  
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DIALOG(R) File 349: PCT FULLTEXT  
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00797970 \*\*Image available\*\*

**INVESTMENT ADVICE SYSTEMS AND METHODS**  
**SYSTEMES ET PROCEDES DE CONSEIL EN INVESTISSEMENTS**

Legal Representative:

LANE David A Jr (et al) (agent), Foley, Hoag & Eliot LLP, One Post Office  
Square, Boston, MA 02109-2170, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200131538 A1 20010503 (WO 0131538)

Application: WO 2000US29450 20001025 (PCT/WO US0029450)

Priority Application: US 99161258 19991025

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 22051

**English Abstract**

The present invention provides investment advice systems. One version of the present invention provides investment advice systems that allow a user to select one or more advisors from a list of investment advisors. According to this version of the invention, the end user can receive advice on an particular transaction either separately from each investment advisor or in consensus. The system offers advice in part on the user's portfolio, tax position and risk profile and in part on the advisors evaluation of current market conditions. Thus, when a user is considering making a transaction, the user can obtain advice that can take into portfolio information including a user's proposed transaction and/or user portfolio information. A user armed with the above-described customized advice can execute a specific transaction and have their portfolio updated to reflect execution of that (those) order(s). In an alternative embodiment, a user's desire to buy or sell a security and/or a need for rebalancing a user's portfolio can generate transaction(s). As a result, the system will generate a buy/sell list (including recommended alternatives) from which a user can select.

**French Abstract**

La presente invention concerne des systemes de conseil en matiere d'investissements. Une premiere version de cette invention fournit des systemes de conseils en investissements qui permettent a l'utilisateur de selectionner un ou plusieurs conseillers dans une liste de conseillers en investissements. Selon cette version, l'utilisateur final peut recevoir des conseils sur une transaction particuliere de la part d'un des conseillers, soit de maniere individuelle soit en accord avec les autres conseillers. Ce systeme offre des conseils en partie sur le portefeuille, la situation fiscale, et le profil des risques de l'utilisateur, et en partie sur l'evaluation des conseillers de la situation actuelle du marche. Ainsi, lorsqu'un utilisateur envisage d'effectuer une transaction, il peut obtenir des conseils, par exemple des informations

de portefeuille telles qu'une transaction d'utilisateur proposee et/ou des informations de portefeuille d'utilisateur. Grace a ce dispositif personnalise, l'utilisateur peut executer une transaction specifique et son portefeuille peut etre mis a jour afin de reflechir l'execution de son/ses ordre(s). Dans une variante, le desir d'un utilisateur d'acheter ou de vendre un titre et/ou le besoin de reequilibrer le portefeuille d'un utilisateur peuvent creer une/des transaction(s). Ainsi, le systeme creera une liste d'achats/ventes (comprenant les options recommandees) a partir de laquelle l'utilisateur peut faire son choix.

Legal Status (Type, Date, Text)

Publication 20010503 A1 With international search report.

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Examination 20010816 Request for preliminary examination prior to end of 19th month from priority date

20/5/8 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784185 \*\*Image available\*\*

A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISSANT UN SYSTEME DE COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

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Inventor(s):

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Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200117195 A2-A3 20010308 (WO 0117195)

Application: WO 2000US24125 20000831 (PCT/WO US0024125)

Priority Application: US 99386717 19990831

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Publication Language: English

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150532

English Abstract

A system, method, and article of manufacture are disclosed for providing a stream-based communication system. A shared format is defined on interface code for a sending system and a receiving system. A message to be sent from the sending system to the receiving system is translated based on the shared format. Once translated, the message is then sent from the sending system and received by the receiving system. Once the message is received by the receiving system, the message is then translated based on the shared format.



French Abstract

L'invention concerne un systeme, un procede et un article de production fournissant un systeme de communication en continu. Un format partage est defini selon un code d'interface pour un systeme emetteur et un systeme recepteur. Un message devant etre envoye par le systeme emetteur est traduit sur la base du format partage. Une fois traduit, le message est envoye du systeme emetteur et recu par le systeme recepteur. Le message recu par le systeme recepteur est ensuite traduit sur la base du format partage.

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.  
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DIALOG(R)File 349:PCT FULLTEXT

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00784184 \*\*Image available\*\*

A SYSTEM, METHOD FOR FIXED FORMAT STREAM COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE POUR FLUX DE FORMAT FIXE DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200117194 A2-A3 20010308 (WO 0117194)  
Application: WO 2000US24114 20000831 (PCT/WO US0024114)  
Priority Application: US 99386430 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-029/06

International Patent Class: G06F-017/22 ; H04L-029/12

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 149954

English Abstract

A system, method, and article of manufacture provide a fixed format stream-based communication system. A sending fixed format contract on interface code is defined for a sending system. A receiving fixed format contract on interface code is also defined for a receiving system. A message to be sent from the sending system to the receiving system is translated based on the sending fixed format contract. The message is then sent from the sending system and subsequently received by the receiving system. The message received by the receiving system is then

translated based on the receiving fixed format contract.

#### French Abstract

L'invention concerne un systeme, un procede et un article pour systeme de communication a flux de format fixe. Un contrat de format fixe de transmission sur code d'interface est defini pour un systeme de transmission. Un contrat de format fixe de reception sur code d'interface est egalement defini pour un systeme de reception. Un message destine a etre envoye du systeme de transmission au systeme de reception est converti sur la base du contrat de format fixe de transmission. Le message est ensuite transmis depuis le systeme de transmission, puis il est recu par le systeme de reception et converti sur la base du contrat de format fixe.

#### Legal Status (Type, Date, Text)

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Examination 20010816 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20020103 Late publication of international search report  
Republication 20020103 A3 With international search report.

20/5/10 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00777017

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A HOST FRAMEWORK DESIGN IN AN E-COMMERCE ARCHITECTURE**  
**SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION DESTINES A LA CONCEPTION D'UNE STRUCTURE D'ORDINATEUR CENTRAL DANS UNE ARCHITECTURE DE COMMERCE ELECTRONIQUE**

#### Patent Applicant/Assignee:

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(Residence), US (Nationality), (For all designated states except: US)

#### Patent Applicant/Inventor:

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#### Patent and Priority Information (Country, Number, Date):

Patent: WO 200109752 A2-A3 20010208 (WO 0109752)  
Application: WO 2000US20560 20000728 (PCT/WO US0020560)  
Priority Application: US 99364733 19990730

#### Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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International Patent Class: G06F-009/44; G06F-017/30 ; G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 122613

#### English Abstract

A system, method and article of manufacture are provided for accessing services within a server without a need for knowledge of an application program interface of the server. A role container is first created. Next, a role class is defined and an attribute for the role class is generated

which includes a default start page attribute. In the role container, a role object is made in the role class with the default start page attribute associated therewith. A uniform resource locator is selected for the default start page attribute.

#### French Abstract

L'invention concerne un systeme, un procede et un article de production permettant d'accéder a des services a l'interieur d'un serveur sans avoir necessairement la connaissance d'une interface de programme d'application du serveur. Un contenant de role est tout d'abord cree. Ensuite, une classe de role est definie et un attribut pour la classe de role est produit lequel contient un attribut de page d'ouverture implicite. Dans le contenant de role, un objet de role est produit dans la classe de role avec l'attribut de page d'ouverture implicite lui etant associe. Un localisateur de ressource uniforme est selectionne pour l'attribut de la page d'ouverture implicite.

#### Legal Status (Type, Date, Text)

Publication 20010208 A2 Without international search report and to be republished upon receipt of that report.  
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20/5/11 (Item 11 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00777016

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTAINING DATA IN AN E-COMMERCE BASED TECHNICAL ARCHITECTURE**

**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DE MAINTIEN DES DONNEES DANS UNE ARCHITECTURE TECHNIQUE DE COMMERCE ELECTRONIQUE**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200109751 A2 20010208 (WO 0109751)

Application: WO 2000US20546 20000728 (PCT/WO US0020546)

Priority Application: US 99364535 19990730

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 124205

#### English Abstract

A system, method and article of manufacture are provided and include a plurality of sub-activities. Each sub-activity includes sub-activity logic adapted to generate an output based on an input received from a

user upon execution, and a plurality of activities which each execute the sub-activities upon being selected for accomplishing a goal associated with the activity. An interface is provided between a first server and a second server with a proxy component situated between the first and second servers to manage business components used by the sub-activities. Information used by the sub-activities is persisted during the executive of the sub-activities. Application consistency is maintained by referencing text phrases through a short codes framework. Additionally, software modules which support the sub-activities are also tested.

#### French Abstract

Cette invention se rapporte a un systeme, a un procede et a un article manufacture qui contiennent plusieurs sous-activites. Chaque sous-activite comporte une logique de sous-activite concue pour generer une sortie sur la base d'une entree recue en provenance d'un utilisateur apres execution, et plusieurs activites qui executent chacune les sous-activites apres avoir ete selectionnees pour atteindre un objectif associe a l'activite en question. Une interface est prevue entre un premier serveur et un second serveur, un element de procuration etant place entre les premier et second serveurs, afin de gerer les elements commerciaux utilises par les sous-activites. L'information utilisee par les sous-activites est preservee pendant l'execution des sous-activites. On maintient la coherence de l'application en referencant des phrases de textes via une structure de codes courts. Les modules de logiciel qui prennent en charge les sous-activites sont en outre egalement testes.

#### Legal Status (Type, Date, Text)

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00775300

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR DETERMINING CAPABILITY LEVELS OF A MONITORING PROCESS AREA FOR PROCESS ASSESSMENT PURPOSES IN AN OPERATIONAL MATURITY INVESTIGATION**

**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR DETERMINER LES NIVEAUX DE CAPACITE D'UNE ZONE DE PROCESSUS DE SURVEILLANCE A DES FINS D'EVALUATION DE PROCESSUS DANS UNE ETUDE DE MATURITE OPERATIONNELLE**

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Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200108004 A2 20010201 (WO 0108004)  
Application: WO 2000US20280 20000726 (PCT/WO US0020280)  
Priority Application: US 99361622 19990726

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 77527

English Abstract

French Abstract

L'invention concerne un systeme, un procede et un article manufacture qui permettent de determiner les niveaux de capacite d'une zone de processus de surveillance lors de l'evaluation de la maturite d'une organisation d'operations. En premier lieu, on definit une pluralite d'attributs de processus. Pour chacun de ces attributs, on determine une pluralite de pratiques generiques. Ces pratiques generiques comportent notamment des pratiques de base, par exemple: verification d'un etat courant, collecte et documentation d'informations de surveillance, classification d'evenements, attribution de degres de gravite, evaluation d'impact, analyse de fautes, acheminement de fautes a corriger, mise en correspondance de types d'evenements par rapport a un diagnostic predefini et/ou des procedures correctives, enregistrement des evenements localement et/ou a distance, suppression de messages jusqu'a ce que des seuils soient atteints, affichage des informations d'etat sur au moins une console en plusieurs formats et a plusieurs emplacements, emission d'ordres sur des processeurs a distance, installation et changement de filtres locaux et/ou a distance, installation et changement de programmes de seuils locaux et/ou a distance, analyse du courant de trafic et envoi de messages radiodiffuses. On calcule alors une maturite d'une organisation d'operations sur la base, du moins en partie, de la realisation des pratiques generiques..

Legal Status (Type, Date, Text)

Publication	20010201	A2 Without international search report and to be republished upon receipt of that report.
Examination	20011011	Request for preliminary examination prior to end of 19th month from priority date
Declaration	20011122	Late publication under Article 17.2a
Republication	20011122	A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

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00761432

**METHODS, CONCEPTS AND TECHNOLOGY FOR DYNAMIC COMPARISON OF PRODUCT FEATURES AND CUSTOMER PROFILE**

**PROCEDES, CONCEPTS ET TECHNIQUE DE COMPARAISON DYNAMIQUE DE CARACTERISTIQUES D'UN PRODUIT ET DU PROFIL DES CONSOMMATEURS**

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200073958 A2 20001207 (WO 0073958)  
Application: WO 2000US14459 20000524 (PCT/WO US0014459)  
Priority Application: US 99320818 19990527

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DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI  
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 151011

#### English Abstract

The present invention is provided for comparison shopping by utilizing a customer's profile to prioritize the features of a group of similar, competing products. First, a customer's profile is developed. This profile may be developed from many sources including customer input, customer buying habits, customer income level, customer searching habits, customer profession, customer education level, customer's purpose of the pending sale, customer's shopping habits, etc. Next, the customer selects multiple, similar items, i.e. products or services to compare. Finally, a comparison table is presented which prioritizes the features in accordance with the customer's profile.

#### French Abstract

La presente invention concerne un achat par comparaison grace a l'utilisation d'un profil consommateur pour etablir des priorites dans les caracteristiques d'un groupe de produits analogues en concurrence. D'abord on elabore un profil consommateur. Ce profil peut etre elabore a partir de plusieurs sources, y compris une entree de donnees du consommateur, les habitudes d'achat du consommateur, le revenu du consommateur, les habitudes de recherche du consommateur, la profession du consommateur, le niveau d'education du consommateur, les attentes du consommateur pour la vente en cours, les habitudes d'achat du consommateur, etc. Ensuite, le consommateur selectionne plusieurs articles analogues, c.-a-d. des produits ou des services afin de les comparer. Enfin, un tableau de comparaison produit etablit des priorites de caracteristiques en fonction du profil du consommateur.

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00761431

**A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PROVIDING COMMERCE-RELATED WEB APPLICATION SERVICES**

**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE DE SERVICES D'APPLICATION DANS LE WEB LIES AU COMMERCE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200073957 A2-A3 20001207 (WO 0073957)  
Application: WO 2000US14420 20000525 (PCT/WO US0014420)  
Priority Application: US 99321492 19990527

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY  
CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility  
model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH  
GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK .  
(utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

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Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150171

English Abstract

A system, method, and article of manufacture are provided that afford a combination of commerce-related web application services. Various features are included such as allowing purchase of products and services via a displayed catalog. As an option, such catalog may be personalized. In various embodiments, a virtual shopping cart environment may be provided. Further, data, i.e. specifications, details, etc., relating to the products and services may be displayed along with a comparison between different products and services. Data relating to needs of a user may also be received for the purpose of outputting a recommendation of the products and services based on the inputted needs. Optionally, features of the products and services may be listed in order to allow the user to configure a specifically tailored product or service. Yet another aspect of the present invention includes outputting an estimate relating to a price and/or availability of the products and services. Further, an order for the products and services may be received after which a tax and a shipping fee are calculated. A status of the delivery of the ordered products and services may also be provided.

French Abstract

L'invention concerne un systeme, un procede et un article manufacture destines a la fourniture d'une combinaison de services d'application dans le Web lies au commerce. Le systeme presente plusieurs caracteristiques telles que l'achat de produits et de services grace a un catalogue affiche. En option, ce catalogue peut etre personnalise. Plusieurs modes de realisation peuvent comprendre un environnement de chariot de supermarche virtuel. En outre, des donnees, c.-a-d. des specifications, des details, etc., se rapportant aux produits et services peuvent etre affichees en meme temps qu'une comparaison entre differents produits et services. On peut aussi inclure des donnees relatives aux besoins d'un utilisateur afin de recommander des produits et services donnees sur la base des besoins entres. Eventuellement, on peut etablir une liste des caracteristiques des produits et services afin de permettre a l'utilisateur de configurer un produit ou un service personnalise. Dans un autre aspect de la presente invention, on peut produire une estimation du prix et/ou de la disponibilite des produits et services. En outre, une commande peut etre recue et une taxe et des frais d'expedition calcules. Un etat de l'expedition des produits et services commandes peut egalement etre etabli.

Legal Status (Type, Date, Text)

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00761424

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF  
COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES  
DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2000US14458 20000524 (PCT/WO US0014458)  
Priority Application: US 99321360 19990527

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CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility  
model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH  
GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK  
(utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 149456

English Abstract

French Abstract

L'invention concerne un systeme, un procede et un article manufacture  
destines a afficher des phases de fourniture de composants d'un systeme,  
en affichant d'abord une representation picturale d'un systeme existant  
comprenant plusieurs composants. Ensuite, une premiere serie de  
composants a fournir dans une premiere phase est presentee. Cette  
operation s'effectue par codage indiciel de la premiere serie de  
composants, de facon specifique. Par la suite, une deuxieme serie de  
composants a fournir dans une deuxieme phase est presentee. Cette  
operation s'effectue par codage indiciel de la deuxieme serie de  
composants, de facon unique par rapport au codage indiciel de la premiere  
serie de composants.

Legal Status (Type, Date, Text)

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abstract; title not checked by the International  
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00761423

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR EFFECTIVELY CONVEYING  
WHICH COMPONENTS OF A SYSTEM ARE REQUIRED FOR IMPLEMENTATION OF  
TECHNOLOGY

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ACHEMINEMENT EFFICACE DES  
COMPOSANTS D'UN SYSTEME NECESSAIRES A LA MISE EN PRATIQUE D'UNE  
TECHNOLOGIE

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
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Patent and Priority Information (Country, Number, Date):

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Priority Application: US 99321136 19990527

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CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility  
model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH  
GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK  
(utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 150133

English Abstract

French Abstract

Cette invention se rapporte a un systeme, un procede et un article  
manufacture permettant l'acheminement efficace des composants d'un  
systeme necessaires a sa mise en pratique. A cet effet, on affiche  
d'abord une representation graphique du systeme, qui contient les divers  
composants du systeme, puis on code a l'aide d'indices ces composants,  
afin d'indiquer lesquels sont necessaires pour la mise en pratique du  
systeme.

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abstract; title not checked by the International  
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Republication 20010907 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

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DIALOG(R) File 349:PCT FULLTEXT  
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00761422

**BUSINESS ALLIANCE IDENTIFICATION  
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR L'IDENTIFICATION D'ALLIANCES  
COMMERCIALES DANS UN CADRE D'ARCHITECTURE RESEAU**

Patent Applicant/Assignee:

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Legal Representative:

BRUESS Steven C (agent), Merchant, Gould, Smith, Edell, Welter & Schmidt,  
P.A., P.O. Box 2903, Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

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Application: WO 2000US14375 20000524 (PCT/WO US0014375)

Priority Application: US 99320816 19990527

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DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 149371

**English Abstract**

A system, method and article of manufacture are provided for identifying alliances among a plurality of business entities in components of a network framework. First, alliances are identified among a plurality of business entities in terms of components of a current network framework. Next, a pictorial representation is displayed of the current network framework and the components. The alliances are then conveyed by indicia coding the components of the current network framework in which the alliances exist.

**French Abstract**

La presente invention concerne un systeme, un procede et un article de production permettant d'identifier les alliances au sein d'un groupe de plusieurs entites commerciales en terme de composants d'un cadre de reseau. Tout d'abord, les alliances sont identifiees parmi un groupe de plusieurs entites commerciales en terme de composants d'un cadre de reseau en cours. Ensuite, une representation graphique du reseau en cours et des composants est affichee. Les alliances sont alors acheminees en codant les composants du cadre de reseau en cours dans lequel les alliances existent avec des marques.

Legal Status (Type, Date, Text)

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00750726 \*\*Image available\*\*

PREDICTING PERFORMANCE OF TELEPHONE LINES FOR DATA SERVICES PREDICTING  
PERFORMANCE OF TELEPHONE LINES FOR DATA SERVICES  
PREDICTION DE LA QUALITE DE LIGNES TELEPHONIQUES POUR SERVICE INFORMATIQUE  
Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200064132 A2-A3 20001026 (WO 0064132)  
Application: WO 2000US10763 20000420 (PCT/WO US0010763)  
Priority Application: US 99294563 19990420

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE  
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-003/30

International Patent Class: H04B-003/46; G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10542

English Abstract

A method characterizes a customer line for data transmission. The method includes measuring electrical properties of the customer line from a central location, identifying a line model from the measurements, and identifying a modem model for a modem selected for use with the customer line. The modem model gives performance data for the selected modem. The method also predicts performance data for the customer line when operated with the selected modem by combining the line and modem models.

French Abstract

La presente invention concerne un procede de caracterisation d'une ligne d'abonne pour la transmission de donnees. Le procede consiste en une mesure des proprietes electriques de la ligne d'abonne a partir d'un site central, l'identification d'un modele de modem pour un modem choisi destine a etre utilise en combinaison avec la ligne d'abonne. Le modele de modem fournit des donnees concernant la qualite pour le modem choisi. Le procede predit egalement des donnees concernant la qualite de la ligne d'abonne lors de son fonctionnement avec le modem choisi par la combinaison des modeles de ligne et de modem.

Legal Status (Type, Date, Text)

Publication 20001026 A2 Without international search report and to be republished upon receipt of that report.  
Examination 20010104 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20020103 Late publication of international search report  
Republication 20020103 A3 With international search report.  
Republication 20020103 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

20/5/19 (Item 19 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00579180 \*\*Image available\*\*

**METHOD AND APPARATUS FOR PROCESSING BUSINESS INFORMATION FROM MULTIPLE ENTERPRISES**

**PROCEDE ET DISPOSITIF POUR TRAITER LES INFORMATIONS COMMERCIALES DE PLUSIEURS ENTREPRISES**

Patent and Priority Information (Country, Number, Date):

Patent: WO 200042553 A2 20000720 (WO 0042553)

Application: WO 2000US728 20000113 (PCT/WO US0000728)

Priority Application: US 99231819 19990115

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ

BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT

SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: **G06F-017/60**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9933

English Abstract

A method for processing business information generated by multiple enterprises is provided. Initially, a data warehouse is provided that has the capability of holding business information. The data warehouse is populated with business information received from a first enterprise and a second enterprise. The business information is associated with the first and second enterprise based upon a set of standardized categories used in the data warehouse. Metastore information describing the organization of business information in the data warehouse is used to develop rules for extracting a portion of the business information from the data warehouse. This portion of business information extracted from the data warehouse is then stored in the data mart. Using at least one such data mart, a multiple dimension database is created wherein each dimension of the multiple dimension database corresponds to variables derived from business rules established in an industry. Using the multiple dimension database, metrics for measuring business performance from the multiple dimension databases are then generated.

French Abstract

L'invention concerne un procede permettant de traiter les informations commerciales de plusieurs entreprises. Initialement, on etablit un entrepot de donnees commerciales. Cet entrepot renferme les informations commerciales transmises par des premiere et seconde entreprises, lesdites informations etant associees aux entreprises respectives sur la base d'une serie de categories normalisees dans l'entrepot. On utilise une information de meta-enregistrement decrivant l'organisation des informations commerciales dans l'entrepot pour etabliir les regles propres a l'extraction d'une partie des informations considerees. Ensuite, la partie extraite est enregistree dans un depot de donnees. En utilisant au moins un depot de ce type, on etablit une base de donnees

multidimensionnelle, ou chaque dimension correspond a des variables resultant des regles commerciales en vigueur pour telle ou telle branche d'industrie. La base de donnees multidimensionnelle permet de fournir des parametres relatifs a l'evaluation des performances commerciales.

20/5/20 (Item 20 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00501664 \*\*Image available\*\*

**INTEGRATED BUSINESS-TO-BUSINESS WEB COMMERCE AND BUSINESS AUTOMATION SYSTEM  
COMMERCE ELECTRONIQUE ET TRANSACTIONS AUTOMATIQUES INTEGRES**

Patent and Priority Information (Country, Number, Date):

Patent: WO 9933016 A1 19990701  
Application: WO 98US27496 19981222 (PCT/WO US9827496)  
Priority Application: US 97995591 19971222

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/60  
International Patent Class: G06F-015/46; G06K-005/00  
Publication Language: English  
Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 43431  
English Abstract

The present invention; generally speaking, provides software that enables end-to-end, business-to-business Web commerce (Web business, or e-business) and that automates to the greatest degree possible, in a unified and synergistic fashion and using best proven business practices, the various aspects of running a successful and profitable business. Web business and business automation are both greatly facilitated using a computing model based on a single integrated database management system (DBMS) with intrinsic data synchronization that is either Web-enabled or provided with a Web front-end. The Web provides a window into a "seamless" end-to-end internal business process. The effect of such integration on the business cycle is profound, allowing the sale of virtually anything in a transactional context (goods, services, insurance, subscriptions, etc.) to be drastically streamlined.

French Abstract

La presente invention concerne un logiciel de commerce electronique ("e-business"), ce logiciel permettant une automatisation a un degre aussi eleve que possible, d'une maniere a la fois unifiee et synergique et selon les pratiques commerciales les plus efficaces, afin de diriger une affaire lucrative et rentable. L'utilisation d'un modele de calcul facilite largement le commerce electronique et les transactions electroniques, ce modele reposant sur un seul systeme SGBD integre (gestion d'une base de donnees) avec une synchronisation intrinseque des donnees, cette synchronisation etant compatible Web ou fournie par un frontal Internet. Le Web fournit en outre une fenetre a un processus interne de commerce electronique sans solution de continuite. Cette integration a de profondes consequences sur le cycle economique, dans la mesure ou elle permet de vendre presque tout dans un contexte d'echanges (des biens, des services, des assurances, des abonnements, etc.), destine a etre radicalement rationalise.

20/5/21 (Item 21 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00401843 \*\*Image available\*\*

**APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING  
INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY**

**APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE  
INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE  
INSTALLATION DE PRODUCTION DE TOLES**

Patent Applicant/Assignee:

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AMADASOFT AMERICA INC,

Inventor(s):

HAZAMA Kensuke,  
HWANG Yearn-Tzuo,  
SAKAI Satoshi,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9742587 A1 19971113

Application: WO 97US7472 19970506 (PCT/WO US9707472)

Priority Application: US 9616958 19960506; US 96690084 19960731

Designated States: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-017/60

International Patent Class: G05B-19:418; G05B-19:4097

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 147831

**English Abstract**

An apparatus and method is provided for managing and distributing design and manufacturing information throughout a factory in order to facilitate the production of components, such as bent sheet metal components. In accordance with an aspect of the present invention, the management and distribution of critical design and manufacturing information is achieved by storing and distributing the design and manufacturing information associated with each job. By replacing the traditional paper job set-up or work sheet with, for example, an electronically stored job sheet that can be accessed instantaneously from any location in the factory, the present invention improves the overall efficiency of the factory. In addition, through the various aspects and features of the invention, the organization and accessibility of part information and stored expert knowledge is improved.

**French Abstract**

L'invention porte sur un appareil ainsi que sur la methode correspondante permettant de gerer et de repartir une information dans une usine afin de faciliter la production de composants, des toles cintrees par exemple. Selon un aspect de cette invention, la gestion et la repartition d'information critique relative a la conception et a la fabrication sont menees a bonne fin par le biais d'une memorisation et d'une repartition d'une information relative a la conception et a la fabrication associee a chaque tache. En remplaçant la classique fiche de preparation du travail ou le bon de travail traditionnel, notamment, par un releve d'operation memorise par voie electronique, accessible instantanement de n'importe quel poste de l'usine, cette invention permet d'ameliorer la productivite de l'usine dans son ensemble. En outre, du fait des aspects varies que revet cette invention ainsi que de ses particularites, la mise en place de l'information et des competences techniques memorisees relatives aux pieces a produire ainsi que l'accessibilite a ces donnees se trouvent ameliorees.

20/5/22 (Item 22 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00401842 \*\*Image available\*\*

**APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING  
INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY**

**APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE  
INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE**

# INSTALLATION DE PRODUCTION DE TOLES

Patent Applicant/Assignee:

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Inventor(s):

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SAKAI Satoshi,  
SUBBARAMAN Anand Hariharan,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9742586 A1 19971113  
Application: WO 97US7471 19970506 (PCT/WO US9707471)  
Priority Application: US 9616958 19960506; US 96690671 19960731

Designated States: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-017/50

International Patent Class: G06F-17:60; G06T-07:40; G05B-19:4097

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 146782

## English Abstract

An apparatus and method is provided for managing and distributing design and manufacturing information throughout a factory in order to facilitate the production of components, such as bent sheet metal components. In accordance with an aspect of the present invention, the management and distribution of critical design and manufacturing information is achieved by storing and distributing the design and manufacturing information associated with each job. By replacing the traditional paper job set-up or work sheet with, for example, an electronically stored job sheet that can be accessed instantaneously from any location in the factory, the present invention improves the overall efficiency of the factory. In addition, through the various aspects and features of the invention, the organization and accessibility of part information and stored expert knowledge is improved.

## French Abstract

L'invention porte sur un appareil ainsi que sur la methode correspondante permettant de gerer et de repartir une information dans une usine afin de faciliter la production de composants, des toles cintrees par exemple. Selon un aspect de cette invention, la gestion et la repartition d'information critique relative a la conception et a la fabrication sont menees a bonne fin par le biais d'une memorisation et d'une repartition d'une information relative a la conception et a la fabrication associee a chaque tache. En remplaçant la classique fiche de preparation du travail ou le bon de travail traditionnel, notamment, par un relevé d'operation memorise par voie electronique, accessible instantanément de n'importe quel poste de l'usine, cette invention permet d'améliorer la productivité de l'usine dans son ensemble. En outre, du fait des aspects varies que revet cette invention ainsi que de ses particularites, la mise en place de l'information et des competences techniques memorisees relatives aux pieces a produire ainsi que l'accessibilite a ces donnees se trouvent ameliorees.

20/5/23 (Item 23 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00376923

## STRUCTURED FOCUSED HYPERTEXT DATA STRUCTURE

## STRUCTURE DE DONNEES HYPERTEXTE ARTICULEE SUR LA STRUCTURATION

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Inventor(s):  
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Patent and Priority Information (Country, Number, Date):  
Patent: WO 9717666 A2 19970515  
Application: WO 96IL131 19961023 (PCT/WO IL9600131)  
Priority Application: US 95551929 19951023  
Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB  
GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM  
AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Main International Patent Class: G06F-017/30  
International Patent Class: G06F-17:21  
Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 263802

#### English Abstract

A hypertexted data structure (3/16) stored on a computer readable memory device and organized in a hierarchy of at least two levels, the data structure comprising: a plurality of data units (18-20) positioned at different levels in the hierarchy each containing at least some textual information (23) and a plurality of hypertext links (1) each linking at least part of the textual information in a given source data unit to a target data unit; wherein at least one of the hypertext links (1) is linked to at least one hypertext node (34) which contains information relating at least to both the given source data unit and the target data unit from which the relative positions in the hierarchy of the given source and target data units linked by the hypertext link may be determined.

#### French Abstract

La presente invention concerne une structure de donnees en format hypertexte (3/16) stockees dans une memoire lisible par ordinateur et organisee selon une hierarchie comportant au moins deux niveaux. Cette structure de donnees est constituee, d'une part de plusieurs unites de donnees (18-20) se placant a differents niveaux de la hierarchie, chacune de ces unites de donnees contenant au moins quelques donnees textuelles (23), et d'autre part, d'un jeu de liens hypertexte (1), chacun de ces liens reliant au moins une partie de l'information textuelle d'une unite de donnees origine specifique a une unite de donnees cible. L'un au moins des liens hypertexte (1) est relie a l'un au moins des noeuds hypertexte (34) qui contient des donnees se rapportant au moins a la fois a l'unite de donnees origine specifique et a l'unite de donnees cible a partir de laquelle il est possible de determiner des positions relatives dans la hierarchie. Ces positions relatives sont celles des unites de donnees origine et cible reliees par le lien hypertexte.

20/5/24 (Item 24 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00363084

METHOD AND SYSTEM FOR PROVIDING CREDIT SUPPORT TO PARTIES ASSOCIATED WITH  
DERIVATIVE AND OTHER FINANCIAL TRANSACTIONS  
PROCEDE VISANT A FOURNIR UN SOUTIEN AU CREDIT A DES PARTIES ASSOCIEES ET  
AUTRES TRANSACTIONS FINANCIERES ET DISPOSITIF CORRESPONDANT

Patent Applicant/Assignee:  
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SAMPSON Gerald Paul,  
TYSON-QUAH Kathleen,



STRAUSS Melvin,  
HADDOCK Jorge,  
SIME Thomas Shepherd,

Inventor(s):

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STRAUSS Melvin,  
HADDOCK Jorge,  
SIME Thomas Shepherd,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9703409 A1 19970130

Application: WO 96GB1687 19960715 (PCT/WO GB9601687)

Priority Application: US 95501901 19950713; US 96678793 19960711

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB  
GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ  
PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US US UZ VN KE LS MW SD SZ  
UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: **G06F-017/60**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 56467

English Abstract

A computer-based information network for managing credit exposure between counterparties to a plurality of credit support agreements. The network comprises information storage and processing systems. The systems store various types of information including information representative of assets of counterparties to a plurality of credit support agreements for use in covering credit exposures therebetween over a specified time period, and the plurality of credit support agreements. The systems process the information representative of the assets in order to effectively reflect a movement of certain of the assets to cover the credit exposures over the specified time period. An asset movement optimization process is used for determining an optimal movement of certain of said assets to cover credit exposures over the specified time period.

French Abstract

L'invention a trait a un reseau informatique s'articulant autour d'ordinateur et destine a gerer des risques de credit entre contreparties a plusieurs accords de soutien au credit. Ce reseau comporte des systemes de memorisation et de traitement de l'information. Les systemes memorisent divers types d'information dont des renseignements concernant des valeurs actives de contreparties a une pluralite d'accords de soutien au credit a utiliser pour couvrir entre eux des risques de credit courant sur une duree specifiee ainsi que les accords de soutien au credit. Les systemes traitent l'information concernant les valeurs actives afin de rendre compte du mouvement de certaines de ces valeurs actives pour couvrir les risques de credit courant sur la duree specifiee. On met en oeuvre un processus d'optimisation de mouvement de valeur active pour determiner un mouvement optimal de certaines de ces valeurs actives pour couvrir des risques de credit sur la duree specifiee.

S1 1 AU=(GORENSTEIN A? OR GORENSTEIN, A?)  
 S2 520245 (STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? -  
 OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR  
 SELECT? OR ALLOCAT? OR TRIGGER?)  
 S3 3323627 LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA?  
 OR REGRESS? OR LADI OR DISCRIMINAN()ANALYS? OR TREE()INDUCT? -  
 OR CHAID OR THAID  
 S4 44226 (S2 OR S3) (5N) (DATABASE? OR DATA() (BASE? OR BANK? OR FILE?  
 OR MINE? OR MINING) OR DATAMIN? OR DATAFILE?)  
 S5 1865 S4(5N) (COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR  
 SIMULTANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?)  
 S6 485 S5(S) (MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONA-  
 L? OR VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR -  
 NEXT?)  
 S7 21832408 SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? -  
 OR PLACE? OR CLASSIF? OR POSITION?  
 S8 13553241 CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR  
 TARGET(2N)MARKET?  
 S9 231 S6 AND S7 AND S8  
 S10 36 S6(S)S7(S)S8  
 S11 21 RD (unique items)  
 S12 21 S11 NOT PY>2001  
 S13 20 S12 NOT PD>20010123  
 File 15:ABI/Inform(R) 1971-2002/Feb 05  
 (c) 2002 ProQuest Info&Learning  
 File 9:Business & Industry(R) Jul/1994-2002/Feb 05  
 (c) 2002 Resp. DB Svcs.  
 File 810:Business Wire 1986-1999/Feb 28  
 (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
 (c) 1999 PR Newswire Association Inc  
 File 275:Gale Group Computer DB(TM) 1983-2002/Feb 06  
 (c) 2002 The Gale Group  
 File 624:McGraw-Hill Publications 1985-2002/Feb 05  
 (c) 2002 McGraw-Hill Co. Inc  
 File 636:Gale Group Newsletter DB(TM) 1987-2002/Feb 05  
 (c) 2002 The Gale Group  
 File 621:Gale Group New Prod. Annou. (R) 1985-2002/Feb 05  
 (c) 2002 The Gale Group  
 File 16:Gale Group PROMT(R) 1990-2002/Feb 05  
 (c) 2002 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 610:Business Wire 1999-2002/Feb 06  
 (c) 2002 Business Wire.  
 File 613:PR Newswire 1999-2002/Feb 06  
 (c) 2002 PR Newswire Association Inc  
 File 148:Gale Group Trade & Industry DB 1976-2002/Feb 06  
 (c) 2002 The Gale Group  
 File 20:Dialog Global Reporter 1997-2002/Feb 06  
 (c) 2002 The Dialog Corp.  
 File 476:Financial Times Fulltext 1982-2002/Feb 06  
 (c) 2002 Financial Times Ltd

13/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01910693 05-61685

**Loyalty marketing: Keeping in contact with the right customers**

Johnson, Kurt; Leger, Mark

Direct Marketing v62n5 PP: 36-42 Sep 1999

ISSN: 0012-3188 JRNL CODE: DIM

WORD COUNT: 3757

...TEXT: the goals in a loyalty program should be to capture up-to-date information on **customer** purchase behaviors, demographics, and lifestyle information. This information can then be "mined" to understand the **next** logical product or product enhancement that the **customer** may purchase. Modeling techniques are used to **score** the probability of purchasing a new product. **Customers** with high probability **scores** are offered the appropriate upsell or **cross** sell offer.

Though **data** mining and modeling are common direct marketing techniques to sell products, the loyalty program offers are **positioned** as program benefits. For example, "as a member of the loyalty program, we are offering...

13/3,K/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01676308 03-27298

**Evolution of database marketing**

Grafton, David

Credit Control v19n4 PP: 23-26 1998

ISSN: 0143-5329 JRNL CODE: CRT

WORD COUNT: 1114

...TEXT: all available resources, with little or nothing left for strategic applications. It also meant that **many** companies after a long period of gestation, finally produced a **customer** -level database with little concrete information to base their decisions on. The ability to host...

... database that was ideally behavioural rather than static in nature. These would identify by a **score**, or segmentation code, the key strategic characteristics across the **customer** -product matrix. Financial services companies running transaction rich accounts such as credit cards or cheque accounts were uniquely well **placed** to exploit the behavioural **cross** -sell opportunities revealed by propensity **models**. They could also mine the **database** to provide early warning signs of attrition. These behavioural indicators will change for each **customer** on the database, updated with (typically) the previous month's performance information, and require a **different** type of database design that makes it easy to apply data mining tools. From the...

...which individuals with which products, through which channel and at what time. As a result, **many** financial services organisations are now building strategic **customer** management databases (or data marts) as distinct from the much larger, technicallydriven marketing database. Future...

13/3,K/3 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01645378 02-96367

**Modell deftly parses customer characteristics**

Hollander, Geoffrey

InfoWorld v20n21 PP: 148 May 25, 1998

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 1082

ABSTRACT: Group 1 Software's Modell Version 3.1 is reviewed. It consists of 4 data mining modules: 1. Response Modeler, 2. Customer Segmentor, 3. Cross-seller, and 4. Customer Valuator. Used mainly in direct mail and telemarketing campaigns, Response Modeler improves direct response rates by targeting prospects predicted by demographic, lifestyle, psychographic, and purchasing history factors as the most likely to respond to a particular advertisement or promotion. Customer Segmentor differentiates customer characteristics and determines whether they form distinctive and actionable groups. Cross-seller determines who, having bought product A, B and C, are the most likely prospects to purchase product X. Customer Valuator predicts the life-time value of each customer based on their repeat purchases, dollars spent, or buying longevity. Modell will automatically run all...

13/3,K/4 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01220131 98-69526  
Unleashing modeling's power  
White, Tony  
Catalog Age v13n5 PP: 93-96 May 1996  
ISSN: 0740-3119 JRNL CODE: CTA  
WORD COUNT: 1439

...TEXT: for targeted individuals. By building seasonality into a model, you could predict not whether a customer should be mailed five times a year but rather which three times a year she responds to mailings. A customer who proves to buy bathing suits only in March, then, would receive a bathing suit...

... March. A certain cataloger has already used modeling to detect Christmas-only respondents who typically order the very last week before the holiday! For these "identified procrastinators," the marketer created a ...

13/3,K/5 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01154881 98-04276  
Action research: A new paradigm for research in production and operations management  
Westbrook, Roy  
International Journal of Operations & Production Management v15n12 PP: 6-20 1995  
ISSN: 0144-3577 JRNL CODE: IJO  
WORD COUNT: 6258

...TEXT: design and install computer-based information systems for the management of operational priorities at the order progressing level. In batch manufacture the progress of customer orders from raw materials, allocation through manufacturing departments and inspection stages to despatch involves the coordination of a number of different functions. To facilitate this co-ordination we developed the "orderbook model", a single integrated data file containing all the key elements for identifying, grouping and progressing all the current orders of a company. In appearance and use this was rather like a spreadsheet, and in ...

... were. The project involved developing designs, via action research, in 17 companies. The taxonomy of orderbook models thus developed has been described in detail elsewhere[18].

This project and its conduct...

13/3,K/6 (Item 6 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01099090 97-48484

**Order of entry and business performance: An empirical synthesis and reexamination**

Szymanski, David M; Troy, Lisa C; Bharadwaj, Sundar G  
Journal of Marketing v59n4 PP: 17-33 Oct 1995  
ISSN: 0022-2429 JRNL CODE: JMK  
WORD COUNT: 8861

...TEXT: are often larger businesses, which raises questions of whether the findings generalize to smaller companies. **Second**, PIMS member companies have leeway in defining the business unit (i.e., a division, product...

... or markets a well-defined set of related goods, serves a well-defined set of **customers**, and/or competes with a well defined set of competitors [Buzzell and Gale 1987]), which...

... into the computations. Third, PIMS data are pooled, cross sectional data. Study 1 found that **order** of entry effects are constant between industrial and **consumer** markets, but the confidentiality promised to PIMS participants precluded testing the appropriateness of all pooling...

... above the threshold level of performance necessary for them to survive in the marketplace. Fifth, **order** of entry is operationalized in the PIMS data base as one of the first in...

... the late entrants (n = 435). Although a more finely demarcated, ordinal measure (i.e., first, **second**, third, fourth, etc.) might be preferred by some, further analysis of data from Study 1 reveals that, when using either "actual **order**" or the trichotomous measure "one of the first/early follower/late entrant" (n = 9) to capture **order** of market entry, the mean pioneering effects are comparable (p > .05).

Figure 2 is developed...

13/3,K/7 (Item 7 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

00648808 92-63748

**Database Done Right**

Chevan, Harry  
Catalog Age v9n11 PP: 109-112 Nov 1992  
ISSN: 0740-3119 JRNL CODE: CTA  
WORD COUNT: 2089

**ABSTRACT:** **Several** major catalogers are using database-driven marketing to increase response **rates** by 10% or more. Camping World is using **cross**-shopping predictive **models** on its **database** to increase response **rates** for specialized mailings. Viking Office Products uses its Private Sale program to allow the office products mailer to cater an offering to each **customer**'s needs based on **customer** product purchase histories. Bear Creek tracks individual **customer** purchase patterns to pinpoint the times of the year that a **customer** is most likely to make purchases. Brookstone uses a personal computer spreadsheet program to devise...

...TEXT: cataloger Camping World, are using cross-shopping predictive models on their databases to lift response **rates** for specialized mailings. For example, to plan circulation for an eight-page catalog insert of men's jumpsuits, the cataloger, working with a model developed by NAIM, **scores** its entire database to Waldenbooks has identified **several** segments of its database that warrant separate mini-catalogs. **rank** its best **buyers**. Camping World then looks only at clothing **buyers** to see

what they bought before they purchased clothing, and with that information develops a **second** model to predict the potential purchase behavior of nonclothing **buyers** .

The cataloger uses this second model to pull out potential clothing buyers from its house...

13/3,K/8 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2002 Resp. DB Svcs. All rts. reserv.

02167160 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Daisytek Deals In Office Automation With A Twist**  
(Distributor DaisyTek International offers 8,000+ products to 24,000+ customer locations in 50+ nations worldwide)  
Computer Reseller News, p 72  
June 15, 1998  
DOCUMENT TYPE: Journal ISSN: 0893-8377 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 889

ABSTRACT:

...storage media, copier supplies and printer ribbons. DaisyTek offers 8,000+ products to 24,000+ **customer** locations in 50+ nations worldwide. The company specializes in selling products that are less dependent...

...areas. One is a centralized distribution facility with next-day delivery service at local ground **rates** . The second area consists of **customer** services that include call-center management, drop-shipping, electronic commerce tools, and product warehousing and distribution. In 1997, DaisyTek launched the Web-based SOLOnet system for online **ordering** . SOLOnet offers on-line inventory and pricing information, product photos, a **cross** -reference **database** for product **models** , and a 10-point **order** tracking system. DaisyTek started taking **orders** on SOLOnet in 1/98 and receives 10,000 clicks on the site each day...

13/3,K/9 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0623328 LA010  
AMRION INC. REPORTS RECORD SECOND QUARTER RESULTS; SALES INCREASE 64 PERCENT, EARNINGS INCREASE 122 PERCENT

DATE: August 17, 1993 07:00 EDT WORD COUNT: 277

...s increased sales are a result of implementing creative marketing strategies in combination with aggressive **customer** acquisition programs. **Additionally** , we have been able to maximize house file repeat **order** opportunities through sophisticated **database** management **techniques** and **targeted** micro-niche mailings." Crossen also credited the addition of an Outbound Telemarketing Department for increased sales to the company's existing **customers** .

AMRION INC.  
Financial Summary  
Income Statements  
(Unaudited)

Six months ended Three months ended  
June 30...

13/3,K/10 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2002 The Gale Group. All rts. reserv.

02152590 SUPPLIER NUMBER: 20421765 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**CAN PLATINUM CASH IN ON LOGIC WORKS' MASS MARKET MACHINE.**  
Computergram International, n3371, pCGN03190021  
March 19, 1998  
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1487 LINE COUNT: 00123

... rise 50% this year, Platinum expects the deal to be accretive to shareholders. (Wall Street **differed**, dropping Platinum's share prices 5% upon hearing the news.) With the deal, Logic Works...

...a suite that integrates source code and interface, providing a single means to toggle between **differing** modeling "views:" business process, objects, and database models. Today, Platinum's Paradigm Plus and ErWin...

...for tuning SQL statements). However, a recent Computer Finance survey indicates that there is little **crossover** between **database** administration and data **modeling**, and that the markets for both sets of tools are far **different**. In most organizations surveyed, DBAs focused on the mechanical aspects of tuning database performance and...

...Works, was another household name. Although in that instance, rational bought SQA, to Rational's **customers** the deal in **many** looked quite the opposite, as Rational let SQA's mass market machine assume overall channel ...

...a year ago), it now makes money with license revenue averaging less than \$1000 per **customer**. Platinum was not specific about its post sales plans, except to say that it expected...

...to honor Logic Works existing commitments, including its alliance with Rational. In other words, "competition." "**Customers** expect that companies like Rational and Platinum, although they are competitors, must still work together well," he said. But the deal clearly **places** Rational in an awkward **position**. Aside from development languages, data modeling has been the main gap in Rational's product...

13/3,K/11 (Item 2 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

01666509 SUPPLIER NUMBER: 15027240 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Database vendors moving battle to the tools front. (relational database management system vendors enhance their application development tools)**  
Butler, Janet  
Software Magazine, v14, n1, p61(8)  
Jan, 1994  
ISSN: 0897-8085 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 4622 LINE COUNT: 00377

...ABSTRACT: system (RDBMS) vendors are enhancing their application development tools to make them more suitable for **client** /server environments. The vendors are also able to increase their revenues by selling development tools for their products to be used in **place** of third-party tools such as Powersoft Corp's PowerBuilder. Meta Group VP of Application Development **Strategies** Aaron Zornes says most **database** vendors are actually **combined** DBMS/fourth-generation language (4GL) vendors. Among the products described are Informix Software Inc's...

...Oracle Glue; and Progress Software Corp's Progress. Use of these and other products by **several** organizations is also described.

13/3,K/12 (Item 1 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

03661675 Supplier Number: 47886192 (USE FORMAT 7 FOR FULLTEXT)  
**TECHNOLOGY CORNER: New, Improved Modeling System.**  
Card News, v12, n15, pN/A  
August 4, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 134

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Lanham, Md.-based Group 1 Software released its new **Customer Segmentor** module for its predictive modeling system, **Model 1**. The **data - mining** tool assists marketers using response modeling, cross selling, **customer** valuation and segmentation analysis. "Customer Segmentor allows marketers to identify clusters of **customers** that are alike based on purchasing behavior, demographics, geography, or other data. It provides a **ranked** list of **differentiating** characteristics by segment," saysspokeswoman Suzanne Porter-Kuchay. "By profiling the similarities within and **differences** between segments, users can identify the most important factors that **differentiate** one segment from another," she says. That, in turn, enables their marketers to understand better their **customer** base and develop customized campaigns to increase response rates, **customer** loyalty and share of **customer** spending. Pricing was not available at press time. (Suzanne Porter- Kuchay, Group 1, 301/368...

13/3,K/13 (Item 2 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

02706077 Supplier Number: 45488868 (USE FORMAT 7 FOR FULLTEXT)  
**PRODUCT BITS**  
Telecomworldwire, pN/A  
April 24, 1995  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 732

... x and 4.x LANs, combining comprehensive support for Compaq's Intelligent Manageability Strategy with **several** new capabilities designed to help network administrators track and manage distributed PC assets... MOTOROLA'S...

...launched a new package of software and services which will enable companies implementing SAP's **client** /server-based R/3 System to greatly reduce the time needed for SAP projects... BACHMAN has introduced GroundWorks, a new terrainmap offering which **integrates** the **modelling** and **database** DC-Sign capabilities of GroundWorks and Terrain... BMC SOFTWARE has announced Application Restart Control for...

...restarts to reduce computer downtime, shorten application restart times and ensure data integrity for VSAM **customers** ... DIGITAL EQUIPMENT says that it has shipped the 100,000th Alpha system, and that total...

...operator, has launched an audio user guide on cassette tape for blind and partially sighted **customers** -- it is said to be the first audio guide for users of its kind... Britain's first major debate on the role of the information superhighway in healthcare takes **place** in London on 21-22 June 1995, sponsored by HOSKYNS... The Internet Trading Conference, a...

13/3,K/14 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
(c) 2002 The Gale Group. All rts. reserv.

02449611 Supplier Number: 61397667 (USE FORMAT 7 FOR FULLTEXT)  
**Equifax Launches Thin Rank, A Risk Model to Rank Order All Consumers.**



PR Newswire, p6844  
April 7, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 612

... history can receive full consideration for service from a telecommunications or utility company."

Using Thin Rank , a new, unique model is developed for each Equifax customer , based on the customer 's objectives. It can rank order never pay, write off, voluntary or involuntary churn -- whatever meets the customer 's needs. Advanced statistical techniques combine multiple models , multiple predictive non-credit- databases and the company's performance data to rank order the degree of risk for the population of consumers with non-existent, thin or missing credit files. The resulting numeric score can indicate necessary action, such as increasing the level of service provided, decreasing deposit requirements, or asking for additional ID information.

Applications for this model include verifying risk at the point of sale, pre...

13/3,K/15 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2002 The Gale Group. All rts. reserv.

01886777 Supplier Number: 54755852 (USE FORMAT 7 FOR FULLTEXT)  
Avant!'s Saturn Sets New Standard for VDSM Timing Convergence and Die Size.  
PR Newswire, p0130  
June 1, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1055

... outs and time consuming library recompilations.

"Most of our product revenue growth is coming from customers migrating to our solutions for designing at 0.18 micron and below," Hsu continued. "Timing closure at these VDSM geometries presents many significant challenges associated with interconnect delay. Saturn, as an integrated companion to Apollo, plays a key role in achieving timing at the smallest die size. Saturn's 3D parasitic modeling , patented algorithms and shared VDSM database , combined concurrently with its applications for placement , post placement and post route, give the software unmatched qualities for optimizing chip timing and area. Our customers buy Avant!'s products because we consistently deliver working silicon using 10 to 40 percent...

13/3,K/16 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

12111015 SUPPLIER NUMBER: 59330976 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Doing Business with Small Business.(assessing small business credit risk)  
Arriaza, Angela; Bronstein, Scott  
Business Credit, 101, 10, 33  
Nov, 1999  
ISSN: 0897-0181 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2106 LINE COUNT: 00204

... identifying 67.5 percent of the "bads" in the worst 5 percent of all records scored , while the consumer model captured only 21.3 percent. (Because the commercial model uses only business performance data to score records, a sample could not be generated.) The results also demonstrated the blended model's clear superiority over the consumer model in evaluating small businesses, due to the fact that different parameters are built into each model. The consumer model analyzes data according to consumer -relevant criteria, whereas the blended model

analyzes the same **data** based on business-relevant criteria. The distinction between the two illustrates the fallacy in assuming a business owner's personal risk **score** as a **consumer** can be used, by itself, to assess the risk of his or her business. **Additionally**, the greater accuracy of the blended model holds whether the performance window covers 12 months...

...24, even though expanding the window creates a sample situation exactly suited to the **consumer** model's capabilities (i.e. only **consumer** data is present and the performance window is consistent with the model's design). See...

13/3,K/17 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

09725460 SUPPLIER NUMBER: 19716686 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**New, improved modeling system.** (Group 1 Software Inc.)  
Card News, v12, p6(1)  
August 4, 1997  
ISSN: 0894-0797 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 148 LINE COUNT: 00016

TEXT:

Lanham, Md.-based Group 1 Software released its new **Customer Segmentor** module for its predictive **modeling** system, **Model 1**. The **data - mining** tool assists marketers using response **modeling**, **cross** selling, **customer** valuation and segmentation analysis. "**Customer Segmentor** allows marketers to identify clusters of **customers** that are alike based on purchasing behavior, demographics, geography, or other data. It provides a **ranked** list of **differentiating** characteristics by segment," says spokeswoman Suzanne Porter-Kuchay. "By profiling the similarities within and **differences** between segments, users can identify the most important factors that **differentiate** one segment from another," she says. That, in turn, enables their marketers to understand better their **customer** base and develop customized campaigns to increase response **rates**, **customer** loyalty and share of **customer** spending. Pricing was not available at press time. (Suzanne Porter-Kuchay, Group 1, 301/368...

13/3,K/18 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

03031309  
**Hewlett-Packard's New Digital Sender Device Marks Increased Use Of Raima DBMS Technology In Real-time and Embedded Systems**  
BUSINESS WIRE  
October 06, 1998  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 843

SEATTLE--(BUSINESS WIRE)--Oct. 6, 1998-- New **category** of office equipment highlights generation of DBMS-enabled devices based on Raima Database Manager and...

... The launch of Hewlett-Packard's HP9100C Digital Sender on September 21 established a new **category** of office communications device. It also marked a milestone for Raima Corporation, a leading provider...

... heavy demands on RAM and processing power." "We now offer database technology that goes in **places** where you'd never expect to find a DBMS," Lundgren said. These include office equipment...

... Hewlett-Packard's HP9100C Digital Sender is such a device. The first in a new **category** of office communication devices designed to address the emerging knowledge-management goals of today's...

... QNX, Windows CE and others. Source code is available, so developers can port RDM to **additional** operating systems. Raima Corporation Raima Corporation, with headquarters in Seattle, Wash., provides the embedded database...

... In addition to Raima Database Manager, Raima also produces Velocis(TM) Database Server, a SQL **client** /server, database engine; Raima Object Manager(TM), a class library that encapsulates object storage, retrieval...

13/3,K/19 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

02891229

**Cybercitizen Finance Study Identifies New Markets for Consumer Lending, Credit Cards**

PR NEWSWIRE

September 22, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 519

... marketing professionals identify, segment and target online consumers. The company develops advanced market research and **database** marketing **techniques** combined with tracking, **targeting** and measurement software to send the most relevant message to the right **customers** at the right time. **Many** Fortune 500 companies and leading online brands rely on Cyber Dialogue to maximize return on...

...Allen & Hamilton's team of nearly 8,000 professionals has one goal -- to help their **clients** achieve and sustain success. /CONTACT: Stuart Gibbel of Cyber Dialogue, 212-255-6655 ext. 116...

13/3,K/20 (Item 3 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

02887090

**AMS and BTI Form Alliance to Deliver Public Sector Budgeting Solutions**

PR NEWSWIRE

September 22, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 646

... it as a central budget preparation and analysis function or agency budget function. BRASS software **combines** the capabilities of spreadsheet, **database** management and financial **modeling** systems into one product. Today, BTI serves governments responsible for budgets in the billions and ...

...used by three of the 10 largest U.S. cities as well as numerous other **clients**. AMS, a leader in the state and local government industry, provides business solutions to help...

... management, systems integration, and systems development and implementation. AMS's business is to partner with **clients** to achieve breakthrough performance through the intelligent use of information technology. AMS is headquartered in...

...worldwide. AMS has grown for 28 consecutive years by establishing solid, long-standing partnerships with **clients** through the ability to provide thought leadership and the ability to deliver results. AMS, one..

Set	Items	Description
S1	1	AU=(GORENSTEIN A? OR GORENSTEIN, A?)
S2	79969	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	393763	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINAN()ANALYS? OR TREE()INDUCT? - OR CHAID OR THAID
S4	84659	DATABASE? OR DATA() (BASE? OR BANK? OR FILE? OR MINE? OR MI- NING) OR DATAMIN? OR DATAFILE?
S5	2738835	COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULT- ANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?
S6	4672881	MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONAL? OR - VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR NEXT?
S7	4049161	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	67401	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET(2N)MARKET?
S9	177	(S2 OR S3) AND S4 AND S5 AND S6 AND S7
S10	12	S8 AND S9
S11	521	(S2 OR S3) (S)S4 AND S5
S12	50	S9 AND IC=G06F-017?
S13	33	S11 AND S12
S14	38	S13 OR S10
S15	38	IDPAT (sorted in duplicate/non-duplicate order)
S16	38	IDPAT (primary/non-duplicate records only)
File 344:CHINESE PATENTS ABS APR 1985-2001/Dec		
(c) 2002 EUROPEAN PATENT OFFICE		
File 347:JAPIO OCT 1976-2001/Sep(UPDATED 020102)		
(c) 2002 JPO & JAPIO		
File 350:Derwent WPIX 1963-2001/UD,UM &UP=200208		
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16/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Derwent Info Ltd. All rts. reserv.

014218041 \*\*Image available\*\*  
WPI Acc No: 2002-038739/200205

Method for integrating schema using mql  
Patent Assignee: KOREA TELECOM (KOTE-N)  
Inventor: HONG Y G; KIM M Y; LEE H S; SONG J W  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
KR 2001054560 A 20010702 KR 9955420 A 19991207 200205 B

Priority Applications (No Type Date): KR 9955420 A 19991207  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
KR 2001054560 A 1 G06F-017/00

Abstract (Basic): KR 2001054560 A

NOVELTY - The method for integrating the schema using the MQL(Multidatabase Query Language) is provided to **integrate various database** of the informal data type as well as to offer rich semantic and abstraction mechanism by using the schema integration way of the object relational **model** base, and to offer a record medium which can read the program of implementing the schema integration way by a computer.

DETAILED DESCRIPTION - A local **database** is registered by using the MQL in **order** to **integrate** the schema. Each MQL command, concerned to the registered local **database**, is performed. A local **database** entity is converted into a class according to a class creation command and the class is created. A virtual class is created according to a virtual class creation command in **order** to **integrate** a local schema, scattered in the **different** local **database**, into a global schema. The MQL command, concerned to the created class and virtual class, is performed.

pp; 1 DwgNo 1/10

Title Terms: METHOD; **INTEGRATE**  
Derwent Class: T01  
International Patent Class (Main): G06F-017/00  
File Segment: EPI

16/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014141402 \*\*Image available\*\*  
WPI Acc No: 2001-625613/200172  
XRPX Acc No: N01-466333

Designing, preparing and printing variable documents containing static content to create appropriate job files by creating job folder linking .pdf layout, imposition file, and run time association file

Patent Assignee: MOORE NORTH AMERICA INC (MOOF )  
Inventor: CONIGLIO P A; CYMAN T F; LEE N A  
Number of Countries: 093 Number of Patents: 002  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
WO 200159696 A2 20010816 WO 2001US3664 A 20010206 200172 B  
AU 200138026 A 20010820 AU 200138026 A 20010206 200175

Priority Applications (No Type Date): US 2000501270 A 20000209  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
WO 200159696 A2 E 38 G06K-015/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP

KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
AU 200138026 A G06K-015/00 Based on patent WO 200159696

Abstract (Basic): WO 200159696 A2

NOVELTY - Variable data is defined in a .pdf layout so that content is created and stored above static content. The .pdf layout is opened and at least one of variable paragraphs, tags, and resources may be added. The .pdf layout creates an imposition file. A job folder links the .pdf layout, imposition file, and a run time association file. The variable documents may be then imaged on a first imaging device using the job folder.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(a) a method of producing a variable document having a static content from a document layout containing variable data in a .ps file

(b) a variable document producing system

(c) a press sheet corresponding to an imposition file made according to the claimed method

USE - For producing variable documents containing static content using manufacturing installation utilizing data supplied by a customer to create the appropriate job files in order to properly image all sorts of the variable documents.

ADVANTAGE - Enables a user to model databases position frames, set properties, store states, combine states with logic, and preview merged content. Allows for pages to be positioned on press sheets specific to supported print devices, reuse layout files with different impositions to get different printed output or reuse the same layout file on a different printing device, and to notify the user configuring a variable job that something is wrong before the job goes to print. The variable data is defined with the PDF format.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram indicating various components of the apparatus according to the present invention in the most simplified format.

pp; 38 DwgNo 1/25

Title Terms: DESIGN; PREPARATION; PRINT; VARIABLE; DOCUMENT; CONTAIN;  
STATIC; CONTENT; APPROPRIATE; JOB; FILE; JOB; FOLDER; LINK; LAYOUT;  
IMPOSE; FILE; RUN; TIME; ASSOCIATE; FILE

Derwent Class: T01

International Patent Class (Main): G06K-015/00

File Segment: EPI

16/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014116860 \*\*Image available\*\*

WPI Acc No: 2001-601072/200168

XRPX Acc No: N01-448305

Text categorization method for database management system, involves deriving classification results from word groups using decision trees to classify documents relevant to preselected topics

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: APTE C; DAMERAU F J; WEISS S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6253169	B1	20010626	US 9884985	A	19980528	200168 B

Priority Applications (No Type Date): US 9884985 A 19980528

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6253169	B1	23	G06F-017/27	

Abstract (Basic): US 6253169 B1

NOVELTY - Several local dictionaries are combined into single

pooled dictionary corresponding to sorting words assigned to each document. Words in a new document are identified corresponding to words in pooled dictionary and grouped, so that each group corresponds to respective preselected topics. **Classification** results are obtained using decision trees based on which the document is **classified** relevant to topics.

USE - To **categorize** electronic documents, textual or descriptive data, e-mail, etc. in **database** management system of computer.

ADVANTAGE - The **database** information is **classified** with high accuracy and less computational cost, by using decision tree **model**. The decision tree **model** is accurate because **model** is developed with adaptive reassembling techniques.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of the text **categorization** method.

pp; 23 DwgNo 6/14

Title Terms: TEXT; METHOD; **DATABASE**; MANAGEMENT; SYSTEM; DERIVATIVE; **CLASSIFY**; RESULT; WORD; GROUP; DECIDE; TREE; **CLASSIFY**; DOCUMENT; RELEVANT; PRESELECTED; TOPIC

Derwent Class: T01

International Patent Class (Main): G06F-017/27

File Segment: EPI

16/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014074773 \*\*Image available\*\*

WPI Acc No: 2001-558986/200163

XRPX Acc No: N01-415481

Storing and managing data for computer database systems, where each of the data elements is assigned a tag to form a number of pairs consisting of data elements and tags, and each pair is assigned a position in a hierarchical structure

Patent Assignee: SOFTWARE AG (SOFT-N)

Inventor: FITTGES K; HARBARTH J; KINZINGER H; SCHOENING H

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1089195	A1	20010404	EP 2000121211	A	20000929	200163 B

Priority Applications (No Type Date): EP 99119447 A 19990930

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1089195	A1	E	12	G06F-017/30	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1089195 A1

NOVELTY - Method for storing and managing data on a storage medium, where data consists of a number of data elements and a number of tags, assigns each of the data elements one of the tags to form a number of pairs each consisting of data elements and one of the tags. Each of the pairs is assigned a **position** in a **hierarchical** structure, and stored and managed on the storage medium together with a pair-individual hierarchy indicator indicating the **position** of the pair in the **hierarchical** structure.

USE - For computer **database** systems.

ADVANTAGE - Provides **database** which is easy to manage, particularly with respect to the substantive information contained in the **database**. Allows to perform a **combined** structure-based and content-based search at the same time, i.e. a search specifically and directly in the pairs of the sets of patient data which have the tag medicament with a value containing cardio somewhere and mycin somewhere else. This is possible by the **combined** indexes maintained by the present invention. If then **additional** information is required about the diagnosis of those patients treated with the specific medicaments, the **database** may easily be searched in a similar way for the pairs with a tag relating to the diagnosis or special indication of the

patients.

DESCRIPTION OF DRAWING(S) - The diagram shows an example of an XML document type definition.

pp; 12 DwgNo 1/5

Title Terms: STORAGE; MANAGE; DATA; COMPUTER; **DATABASE** ; SYSTEM; DATA; ELEMENT; ASSIGN; TAG; FORM; NUMBER; PAIR; CONSIST; DATA; ELEMENT; TAG; PAIR; ASSIGN; **POSITION** ; HIERARCHY; STRUCTURE

Derwent Class: S05; T01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

16/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013946301 \*\*Image available\*\*

WPI Acc No: 2001-430514/200146

**System and method for on-line architectural design**

Patent Assignee: KIM D Y (KIMD-I)

Inventor: KIM D Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001000959	A	20010105	KR 200064321	A	20001031	200146 B

Priority Applications (No Type Date): KR 200064321 A 20001031

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001000959	A	1	G06F-017/50	

Abstract (Basic): KR 2001000959 A

NOVELTY - A system and method for architectural design is provided to allow a user to offer an **integrated** 3-D(Three-Dimensional) image information of a building and the cost and the period of construction via the internet.

DETAILED DESCRIPTION - A **client** (100) for a user is connected to the on-line architectural design system by internet. An administration server(200) comprises modules each having **various** information of building construction and provides the information to the **client** (200). A data server connected to the server(200) contains an architectural design DB ( **Data Base** )(216), an internal structure DB(217), a building materials DB(218), a landscape architecture DB(220) and a membership information DB(222). An administration module(202) for external structure of a building stores and controls external architectural **model classified** by number of layers and pyong(approximately 3.3 square meters) into the architectural design DB(216). An administration module(204) for internal structure of a building stores and controls design information related to internal structure of a building in consideration of number of layers into internal structure DB (217). A forming module(210) for external structure of a building provides the external architectural **model** stored in the architectural design DB(216) in consideration of number of layers and pyong. A control module controls each modules. A user log in the server(200) using the **client** (100) and inputs number of layers and pyong of a building to be built and **selects** an external architectural **model** and living relative fixture layout provided by the server(200). The server(200) provides 3-D design images of internal and external architectural **model** and the cost of building to the user.

pp; 1 DwgNo 1/10

Title Terms: SYSTEM; METHOD; LINE; ARCHITECTURE; DESIGN

Derwent Class: T01

International Patent Class (Main): **G06F-017/50**

File Segment: EPI

16/5/6 (Item 6 from file: 350)



013868780    \*\*Image available\*\*

WPI Acc No: 2001-352992/200137

XRPX Acc No: N01-256197

**Prepayment score determination system for consumer mortgage loan applications, calculates prepayment score based on loan prepayment model and prepayment score generation model**

Patent Assignee: MARKETSWITCH CORP (MARK-N)

Inventor: EGINTON W A; FISHMAN V; GALPERIN Y; JONES C L

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6185543	B1	20010206	US 9878867	A	19980515	200137 B

Priority Applications (No Type Date): US 9878867 A 19980515

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6185543	B1	14	G06F-017/60	

Abstract (Basic): US 6185543 B1

NOVELTY - Prepayment calculation server has prepayment **score generation model** connected to prepayment **model library database** to receive loan prepayment **models**. Server calculates prepayment **scores** for each **consumer** mortgage loan application based on loan prepayment **model** and prepayment **score generation model**. Server further transmits **scorer** to **several** loan organization terminals via communication server and network.

DETAILED DESCRIPTION - The network is connected to **several** loan origination to receive transmitted **consumer** mortgage loan applications. Communication server is connected to the network to receive the loan applications. An application parser is connected to the communication server which splits the information into loan information and applicant information. A prepayment **model library database** has loan prepayment **models** connected to the application parser to receive the loan information. The prepayment **score** is calculated using the formula  $\text{score} = \text{SIGMATTP}(T)$  where T represents time and P represents prepayment. The **several** loan origination terminals are adapted to use prepayment **scores** to adjust **consumer** mortgage loan terminals. An INDEPENDENT CLAIM is also included for prepayment **scores** determining method.

USE - For **consumer** mortgage loan application. For mortgage financing organizations and other investors. For credit rating agencies, auditors, banking regulators, lender risk managers, depth instrument securitization, investment bankers and investors.

ADVANTAGE - By assisting lenders in their efforts to segment **customers** according to crucial behavior metric, waste and excess costs are driven from the lending economy. More money is thus available, more cheaply for more people. More favorable loan terms can be made to those **consumers** to exhibit beneficial borrowing behavior that is borrowers who are not likely to prepay their loans but instead maintains their loans for a profitable durations. The dealing with stable borrower market results in more favorable financial environment on for all lenders, thereby mitigating risk of loss and in the normal course of all efficient markets, passing that financial advantage on to borrowers generally. Loan originator can more efficiently price the particular loan, further the originator can efficiently select brokers and intermediaries who will select the best borrowers. Leads to more efficient direct and indirect marketing investments by identifying individual **consumers** and groups of **consumers** who exhibit most beneficial borrowing behavior. Establishes standardized prepayment methodology that allows **merger** and acquisition advisers to be able to quantitatively measure the balance sheet risk in a target quantity or mortgage companies. By measuring expected prepayment behavior and scoring, improves securitization process and render it more efficient. Provides a way to make investment decisions based upon quantified debt instrument prepayment behavior risk for lending institutions in which

investor might want to invest or to evaluate the relative stability of mortgage securities that are packed by individual depth instrument.

DESCRIPTION OF DRAWING(S) - The figure explains the steps involves in loan prepayment **scores**.

pp; 14 DwgNo 1/6

Title Terms: PREPAYMENT; **SCORE** ; DETERMINE; SYSTEM; CONSUME; LOAN; APPLY; CALCULATE; PREPAYMENT; **SCORE** ; BASED; LOAN; PREPAYMENT; **MODEL** ; PREPAYMENT; **SCORE** ; GENERATE; **MODEL**

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

16/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013844496 \*\*Image available\*\*

WPI Acc No: 2001-328709/200134

XRPX Acc No: N01-236557

**Trader information storing system for conducting trade activities electronically, stores adaptive trade specifications for identifying give and take items as well as constraint and objective sought by trader**

Patent Assignee: ADAPTIVE TRADE INC (ADAP-N)

Inventor: BRODSKY A; GOZHANSKY A; KARPISHPAN S; KATZ M; ZELIVINSKI S

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200131537	A2	20010503	WO 2000US29369	A	20001026	200134 B
AU 200113428	A	20010508	AU 200113428	A	20001026	200149

Priority Applications (No Type Date): US 2000695046 A 20001025; US 99161355 P 19991026

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200131537	A2	E	47	G06F-017/60	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200113428	A			G06F-017/60	Based on patent WO 200131537
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Abstract (Basic): WO 200131537 A2

NOVELTY - The **database** server has a **database** of adaptive trade specification (ATS) comprising a take-item entry which identifies a item wanted by a trader in return for an item identified in give-item entry. A constraint entry identifies a constant **placed** by the trader on the exchange. An object entry identifies an objective sought by the trader in the exchange.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for traders information storing method.

USE - For executing trading activities in the realm of electronic commerce.

ADVANTAGE - Match making and optimization are **combined** under one ATS based mechanism which allows traders to design transactions that are optimal in terms of traders objectives and which are mutually agreeable with available trade specifications. Allows **various** traders to achieve optimal trade transaction. The ATS **model** allows to describe in a precise and uniform way, trade parameters, constraints and objectives for a wide range of traders including procurement organizations, suppliers, manufacturers, re sellers, surplus sellers, trade-in sellers, stock market traders, general **buyers** and sellers. Provides an automated process that recommends specific transactions with other trader's ATS that are mutually agreeable with an optimizable the objective of the trader's ATS e.g. minimal price, maximal profile, etc.

DESCRIPTION OF DRAWING(S) - The figure shows the ATS based trading software system.

pp; 47 DwgNo 1/5

Title Terms: INFORMATION; STORAGE; SYSTEM; CONDUCTING; TRADE; ACTIVE; ELECTRONIC; STORAGE; ADAPT; TRADE; SPECIFICATION; IDENTIFY; ITEM; WELL; CONSTRAIN; OBJECTIVE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

16/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013727017

WPI Acc No: 2001-211247/200121

XRAM Acc No: C01-062833

XRPX Acc No: N01-150897

Identification of candidate genes involves extracting and integrating information from information sources and analyses results, and storing the integrated information in data base

Patent Assignee: AGY THERAPEUTICS INC (AGYT-N)

Inventor: CHIN D J; HENDRIX D; ZHAO O

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200113105	A1	20010222	WO 2000US20603	A	20000728	200121 B
AU 200066119	A	20010313	AU 200066119	A	20000728	200134

Priority Applications (No Type Date): US 99365587 A 19990730

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200113105 A1 E 51 G01N-031/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200066119 A G01N-031/00 Based on patent WO 200113105

Abstract (Basic): WO 200113105 A1

NOVELTY - A computer-implemented method of identifying candidate genes from a **plurality** of DNA sequences is new.

DETAILED DESCRIPTION - The method comprises:

(1) obtaining results of a homology search for the **plurality** of DNA sequences, the homology search results comprising information about homologues of the **plurality** of DNA sequences;

(2) obtaining annotative information for the **plurality** of DNA sequences, the annotative information comprising information about the biochemical functions and physiological roles of the **plurality** of DNA sequences;

(3) obtaining gene expression profile data for the **plurality** of DNA sequences, the gene expression profile data describing behavioral patterns of the **plurality** of DNA sequences;

(4) clustering the **plurality** of DNA sequences as described by the gene expression profile data;

(5) storing the results of the homology search, the annotative information, the gene expression profile data, and results from clustering the **plurality** of DNA sequences in a **database**;

(6) receiving a query identifying criteria for the candidate genes; and

(7) searching the **database**, in response to the query, to identify a set of DNA sequences from the **plurality** of DNA sequences which satisfy the query criteria.

INDEPENDENT CLAIMS are also included for:

(A) identifying candidate genes comprising:

- (1) configuring a query identifying criteria for the candidate genes;
- (2) communicating the query to a server storing information related to a **plurality** of DNA sequences, the information comprising:
  - (a) results of a homology search for the **plurality** of DNA sequences, the homology search results comprising information about homologues of the **plurality** of DNA sequences;
  - (b) information about the biochemical functions and physiological roles of the **plurality** of DNA sequences;
  - (c) information describing behavioral patterns of the **plurality** of DNA sequences; and
  - (d) results from clustering the **plurality** of DNA sequences based on the behavioral patterns of the **plurality** of DNA sequences as described by the gene expression profile data; and
- (3) receiving from the server, in response to the query, a first set of DNA sequences from the **plurality** of DNA sequences, where the first set of DNA sequences satisfy the criteria for the candidate genes identified in the query.

(B) a data processing system for identifying candidates from DNA sequences comprising:

- (1) a processor; and
- (2) a memory coupled to the processor, the memory configured to store instructions for execution by the processor, the instructions comprising:
  - (i) instructions for obtaining results of a homology search for the **plurality** of DNA sequences, the homology search results comprising information about homologues of the **plurality** of DNA sequences;
  - (ii) instructions for obtaining annotative information for the **plurality** of DNA sequences, the annotative information comprising information about biochemical functions and physiological roles of the **plurality** of DNA sequences;
  - (iii) instructions for obtaining gene expression profile data for the **plurality** of DNA sequences, the gene expression profile data describing behavioral patterns of the **plurality** of DNA sequences;
  - (iv) instructions for clustering the **plurality** of DNA sequences based on the behavioral patterns of the **plurality** of DNA sequences as described by the gene expression profile data;
  - (v) instructions for storing the results for the homology search, the annotative information, the gene expression profile data, and results from clustering the **plurality** of DNA sequences in the memory; and
  - (vi) instructions for searching the information stored in the memory, in response to a query identifying criteria for the candidate genes, to identify a set of DNA sequences from the **plurality** of DNA sequences which satisfy the query criteria; and

(C) a system for identifying candidate genes comprising:

- (1) a communication network;
- (2) a first computer couple to the communication network; and
- (3) a **second** computer coupled to the communication network, the **second** computer configured to store:
  - (a) results of a homology search for a **plurality** of DNA sequences, the homology search results comprising information about homologues of the **plurality** of DNA sequences;
  - (b) information about the biochemical functions and physiological roles of the **plurality** of DNA sequences;
  - (c) information describing behavioral patterns of the **plurality** of DNA sequences; and
  - (d) results from clustering the **plurality** of DNA sequences based on the behavioral patterns of the **plurality** of DNA sequences as described by the gene expression profile data; where the first computer is configured to communicate a query to the **second** computer, the query identifying criteria for the candidate genes and where the first computer is configured to receive from the **second** computer, in response to the query, a first set of DNA sequences from the **plurality** of DNA sequences which satisfy the criteria for the candidate genes identified in the query.

(D) a computer program stored on a computer-readable storage medium for identifying candidate genes from a **plurality** of DNA sequences

comprising:

- (1) code for obtaining results of a homology search for the **plurality** of DNA sequences, the homology search results comprising information about homologues of the **plurality** of DNA sequences;
- (2) code for obtaining annotative information for the **plurality** of DNA sequences, the annotative information comprising information about the biochemical functions and physiological roles of the **plurality** of DNA sequences;
- (3) code for obtaining gene expression profile data for the **plurality** of DNA sequences, the gene expression profile data describing behavioral patterns of the **plurality** of DNA sequences;
- (4) code for clustering the **plurality** of DNA sequences based on the behavioral patterns of the **plurality** of DNA sequences as described by the gene expression profile data;
- (5) code for storing the results for the homology search, the annotative information, the gene expression profile data, and results from clustering the **plurality** of DNA sequences in a **database** ;
- (6) code for receiving a query identifying criteria for the candidate genes7) code for searching the **database** , in response to the query, to identify a set of DNA sequences from the **plurality** of DNA sequences which satisfy the query criteria.

USE - The method is for the identification of candidate genes from DNA sequences.

ADVANTAGE - The method correlates and stores **various** types of information which can be easily accessed and queried by researcher interested in identifying candidates genes.

pp; 51 DwgNo 0/9

Title Terms: IDENTIFY; CANDIDATE; GENE; EXTRACT; **INTEGRATE** ; INFORMATION; INFORMATION; SOURCE; ANALYSE; RESULT; STORAGE; **INTEGRATE** ; INFORMATION; DATA; BASE

Derwent Class: B04; D16; S03; T01

International Patent Class (Main): G01N-031/00

International Patent Class (Additional): G06F-015/00; **G06F-017/00**

File Segment: CPI; EPI

16/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013595042 \*\*Image available\*\*

WPI Acc No: 2001-079249/200109

XRPX Acc No: N01-060292

Data elements integrating system for world wide web application, stores Internet and electronic commerce data in database connected to user station including design database which stores logical data model

Patent Assignee: NCR CORP (NATC )

Inventor: CHIANG L; PAPIERNIAK K A; THAISZ J E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6128624	A	20001003	US 97969082	A	19971112	200109 B

Priority Applications (No Type Date): US 97969082 A 19971112

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6128624	A	38	G06F-017/30	

Abstract (Basic): US 6128624 A

NOVELTY - **Integrated** electronic commerce and Internet data for interrogation by service provider are stored in **database** that is connected to a user station including a design **database** . A logical data **model** (338) provides description of **database** ,formatted file library (340) providing reusable **classifications** , and user interface capable of providing query and report accesses,stored in design **database** .

DETAILED DESCRIPTION - The electronic commerce data is merchant transaction data recording specific purchasing transaction and the

Internet data is the data collected during web browsing by user. The logical data **model** of design **database** provides description of the **database** facilitating the integration of **several different** formats of Internet and electronic commerce data and facilitating query and report access of the **database**. The formatted file library provides **classifications** including process characterization, **customer** descriptions, preference determinations and behavior patterns. The **classifications** are reusable for **different** technical processes and **different customer** problems. The user interface is capable of providing accesses of the design **database**. INDEPENDENT CLAIMS are also included for the following:

(a) data elements integrating method;

(b) computer program product

USE - For world wide web applications in Internet.

ADVANTAGE - Provides decision support and adds operational information for the ISP/CSP to enable improved value added services to allow the implementation of equitable and value based pricing, to achieve better quality of service, to manage capacity and to add bill back capabilities for charge back scenarios. Provides valuable information such as decision support for proactive targeted marketing, usage and **customer** preferences feedback on the web application, usage information for business accesses, direct decision support access for ISP/CSP **customer** applications.

DESCRIPTION OF DRAWING(S) - The figure shows the interaction of components with **customer** environment in data elements integrating system.

Logical data **model** (338)

File library (340)

pp; 38 DwgNo 10/21

Title Terms: DATA; ELEMENT; **INTEGRATE** ; SYSTEM; WORLD; WIDE; WEB; APPLY; STORAGE; ELECTRONIC; DATA; **DATABASE** ; CONNECT; USER; STATION; DESIGN; **DATABASE** ; STORAGE; LOGIC; DATA; **MODEL**

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

16/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013522903 \*\*Image available\*\*

WPI Acc No: 2001-007109/200101

XRAM Acc No: C01-001760

XRFX Acc No: N01-005104

**Biological marker and phenotype identification system, useful in drug development, using processor to correlate data regarding e.g. cell populations, soluble factor levels and clinical parameters**

Patent Assignee: SURROMED INC (SURR-N)

Inventor: ALLISON A; BRUNKE K J; DIETZ L J; KANTOR A B; NATAN M J; RINGOLD G

Number of Countries: 089 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200065472	A1	20001102	WO 2000US11296	A	20000426	200101 B
AU 200044942	A	20001110	AU 200044942	A	20000426	200109

Priority Applications (No Type Date): US 2000175075 P 20000107; US 99131105 P 19990426

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200065472 A1 E 104 G06F-017/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

Abstract (Basic): WO 200065472 A1

**NOVELTY** - A biological marker (BM) identification system comprising an **integrated database** containing **several data categories** and data from **various organisms** corresponding to the data **categories**, is new.

**DETAILED DESCRIPTION** - A biological marker (BM) identification system comprises:

(a) an **integrated database** containing **several data categories**, i.e. levels of cell populations, cell associated molecules and/or soluble factors in a biological fluid and information associated with clinical parameters of an organism; and

(b) data from **various organisms** corresponding to the data **categories**.

A processor correlates data within the **categories**, to identify the **category** (or **categories**) indicating normal biological or pathogenic processes or responses to drug intervention; this **category** (or these **categories**) is/are BM.

**INDEPENDENT CLAIMS** are also included for the following:

(1) a method for identifying a BM for a given disease or medical condition (GD/MC), comprising correlating information associated with **several categories** (as in (a) above) from **several organisms**, at least some of which have GD/MC and identifying a data **category** (i.e. BM) by which the presence of GD/MC can be identified;

(2) a phenotype of an organism comprising **several biological parameters**, i.e. the results of at least 20 (preferably at least 40) assays relating to cell populations and/or cell associated molecules, the results of at least 20 (preferably at least 40) assays relating to soluble factors and clinical parameters;

(3) a phenotype of a class or subclass of organisms, comprising parameters as in (2) for each member;

(4) a system for creating the phenotype of an organism, involving obtaining parameters as in (2);

(5) a method for evaluating the effect of a perturbation on an organism (or on a class or subclass of organisms), involving comparing the information in the phenotype, as in (2) or (3), of the organism(s) before and after the perturbation;

(6) a system for the identification of BM's of a GD/MC in an animal **model**, involving an **integrated database** and processor as above;

(7) a method for identifying a BM for GD/MC in a human, involving determining if a BM in an animal **model** as in (6) is diagnostic or prognostic of CD/MC in a human;

(8) a method for assaying a candidate drug, involving treating an animal **model** with the drug and evaluating the effect on a BM as in (6);

(9) a method for monitoring the results of a clinical study in humans with a GD/MC, involving identifying BM's in a human which are homologs of BM's identified in animal **models** of GD/MC;

(10) a method for designing an improved animal **model** for a CD/MC in humans, involving identifying human BM's relative to the GD/MC and tailoring the animal **model** to simulate GD/MC more accurately by elevating or reducing the levels of animal homologs of the human BM;

(11) a method for identifying an animal **model** of a GD/MC, involving comparing phenotypes (as in (2)) for potential animal **models** and an organism having the GD/MC, to identify the most closely simulating animal **model** phenotype; and

(12) a method for evaluating the effects of a the effects of a genetic alteration on a plant or animal, involving comparing information on phenotypes (as in (2)) for the genetically altered and non-altered organism to identify changed parameters.

**USE** - The systems and phenotypes are useful in drug development. The diseases involved are specifically asthma, allergy, **multiple sclerosis** or especially rheumatoid arthritis (all claimed). More generally the phenotypes may be of humans, animals, plants or viruses (all claimed); they may also be used for evaluating the effects of a genetic alteration on a plant or animal.

**ADVANTAGE** - The technology is supplied for providing quantitative,

sensitive, reproducible and rapid measurements of **multiple** and diverse BM's which can accurately profile an organism's phenotype or a patient's disease **status** and response to therapy. More cost-effective drug development is possible. The biological parameters can be identified from small samples of blood.

DESCRIPTION OF DRAWING(S) - The figure is a schematic representation of the types of information assimilated to obtain a biological marker identification system.

pp; 104 DwgNo 1/9

Title Terms: BIOLOGICAL; MARK; PHENOTYPE; IDENTIFY; SYSTEM; USEFUL; DRUG; DEVELOP; PROCESSOR; CORRELATE; DATA; CELL; POPULATION; SOLUBLE; FACTOR; LEVEL; CLINICAL; PARAMETER

Derwent Class: B04; D16; J04; S03; T01

International Patent Class (Main): G06F-017/00

File Segment: CPI; EPI

16/5/11 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013514600 \*\*Image available\*\*  
WPI Acc No: 2000-686546/200067  
XRPX Acc No: N00-507597

**Prediction of reaction to target concept, involves rating target concept using selected archetype and predicting subjective reaction to target concept by input of objective rating into developed mathematical model**

Patent Assignee: SAUNDERS INT RICHARD (SAUN-N)

Inventor: HALL D B; STAMP J A; STORMANN C R

Number of Countries: 089 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045317	A2	20000803	WO 2000US2195	A	20000127	200067 B
AU 200033526	A	20000818	AU 200033526	A	20000127	200067

Priority Applications (No Type Date): US 99117413 P 19990127

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200045317 A2 E 37 G06F-017/60

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200033526 A G06F-017/60 Based on patent WO 200045317

Abstract (Basic): WO 200045317 A2

NOVELTY - A **database** of **customer** responses to questions on target concepts is provided. The target concepts are **rated** based on certain **selected** archetype. A mathematical **model** defining relation between **customer** 's response and archetype is developed. Objective ratings of concept is generated based on archetype. Subjective reaction to target concept is predicted by input of its objective rating into developed **model**.

DETAILED DESCRIPTION - Subjective reaction elicits response related to **consumer** likeability, **consumer** interest, **consumer** purchase potential, **consumer** perception, **consumer** confidence, **consumer** recall, **consumer** expectation and voter response to political candidates. The mathematical **model** is generated using standard univariate, bivariate, and multivariate statistical methods, neural network, fuzzy logic, genetic algorithm, **cross** tabulation, t-test, **ANOVA**, correlation matrix, **regression**, factor analysis and structural equation **modeling**. Prediction of subjective reaction is followed by judging relative potential success of target concept and developing and applying action criteria, based on archetype and relative potential success of target concept. Further guidance is provided to developers of target concept on how to enhance the target



concept.

USE - For predicting individual or group reaction to concepts such as development of new product, political management, education, legal system, retail grocery industry or corporation etc.

ADVANTAGE - The data collection and analysis is performed with increased speed. New ideas are evaluated and forecasts are created within minutes. **Additional** intelligence which can be derived from a set of collected **customer** data allows managers to identify and validate business judgment as well as to identify emotional, motivational and aspirational archetype drivers. Significant cost savings is realized on removing **customers** component from listing process. Provides increased security in the development of new products and services by evaluating proprietary concepts without the necessity of exposing them to public.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram depicting sequence of steps in accordance with the method of simulating human response to stimulus.

pp; 37 DwgNo 1/1

Title Terms: PREDICT; REACT; TARGET; CONCEPT; RATING; TARGET; CONCEPT; SELECT; PREDICT; SUBJECT; REACT; TARGET; CONCEPT; INPUT; OBJECTIVE; RATING; DEVELOP; MATHEMATICAL; **MODEL**

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

16/5/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013396491 \*\*Image available\*\*

WPI Acc No: 2000-568429/200053

XRFX Acc No: N00-419961

**Documentation apparatus used for production of electronic mail document has document synthesizer combines desired various information regarding extracted special character of model data as document**

Patent Assignee: SHARP KK (SHAF )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000222300	A	20000811	JP 9923397	A	19990201	200053 B

Priority Applications (No Type Date): JP 9923397 A 19990201

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000222300	A	14	G06F-013/00	

Abstract (Basic): JP 2000222300 A

NOVELTY - A **database** search unit searches a **database** based on an electronic mail address input by an address input unit in **order** to extract the desired various information. A document synthesizer **combines** the desired **various** information regarding the extracted special character of the **model** data from the **database** as a document.

DETAILED DESCRIPTION - The **database** stores **various** information containing the electronic mail address for every individual. The **various** information includes the combination of the special character corresponding to each seed information. The **model** data shows the format and the content of the synthetic document. INDEPENDENT CLAIMS are also included for the following:

- (a) a documentation procedure;
- (b) and a recording medium.

USE - Used for production of electronic mail document.

ADVANTAGE - Prevents incorrect input of essential location of company. Produces mail document at reduced labor. Allows collection of **various** components in extracting search PIM-DB from input electronic mail address. Increases efficiency of documentation apparatus by automatically producing mail sentence within mail property.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart for explaining the operation of a sentence production assistance apparatus.

pp; 14 DwgNo 6/20

Title Terms: DOCUMENT; APPARATUS; PRODUCE; ELECTRONIC; MAIL; DOCUMENT;  
DOCUMENT; COMBINATION; **VARIOUS** ; INFORMATION; EXTRACT; SPECIAL;  
CHARACTER; **MODEL** ; DATA; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): **G06F-017/21** ; **G06F-017/30**

File Segment: EPI

**16/5/13** (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013259528 \*\*Image available\*\*

WPI Acc No: 2000-431411/200037

XRPX Acc No: N00-321959

Models **execution method** in data mining software, involves scoring records of database that is segmented into several data segments using several models

Patent Assignee: UNICA TECHNOLOGIES INC (UNIC-N)

Inventor: CRITES R; KENNEDY R; LEE Y

Number of Countries: 090 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200034889	A2	20000615	WO 99US29342	A	19991209	200037 B
AU 200020498	A	20000626	AU 200020498	A	19991209	200045

Priority Applications (No Type Date): US 98208037 A 19981209

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200034889 A2 E 50 G06F-017/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200020498 A G06F-017/00 Based on patent WO 200034889

Abstract (Basic): WO 200034889 A2

NOVELTY - The execution method involves scoring records of a database that is segmented into several data segments (52a-52i) using several models (60a-60i). The scores of records are converted into probability estimates which are combined into a simple representation of expected behavior.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for memory medium.

USE - In data mining software for credit risk assessment, fraud detection, process control, medical diagnosis.

ADVANTAGE - Since models are executed based on selective segmentation of data, a single variable or set of input variables have significant strong influence on predicting behavioral outcomes.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of models execution system.

Data segments (52a-52i)

Several modes (60a-60i)

pp; 50 DwgNo 3/13

Title Terms: **MODEL** ; EXECUTE; METHOD; DATA; MINE; SOFTWARE; **SCORE** ;  
RECORD; **DATABASE** ; SEGMENT; DATA; SEGMENT; **MODEL**

Derwent Class: T01

International Patent Class (Main): **G06F-017/00**

File Segment: EPI

16/5/14 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013042716 \*\*Image available\*\*  
WPI Acc No: 2000-214569/200019  
XRPX Acc No: N00-161365

**Three dimensional layout design assistance apparatus for installation of gas insulated switching apparatus in substation, combines 3D data component, based on connection relation between circuit component**

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11345258	A	19991214	JP 98153043	A	19980602	200019 B

Priority Applications (No Type Date): JP 98153043 A 19980602

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11345258	A		31	G06F-017/50	

Abstract (Basic): JP 11345258 A

NOVELTY - The correspondence relation between the graphic the graphic circuit data and component data is stored. Individual three dimensional (3D) layout data is produced, based on the stored data . **Based** on the physical connection relation between circuit components relevant to graphic data, the 3D data components are **combined** to produce total 3D layout data and is displayed. DETAILED DESCRIPTION - The circuit diagram data for each circuit block is stored in the **database** (30). Then, connection data about each component along with the installation condition is stored. The **classification** at each circuit component along with connection details are separately stored. The stored graphic data is edited to update data relevant to the actual component data. An INDEPENDENT CLAIM is also included for the 3D layout designing method.

USE - For assisting 3D layout design of gas insulated switch apparatus, circuit breaker, flow meter installed in **various** plants, building, substation, etc.

ADVANTAGE - Improves layout design accuracy, by eliminating data **selection** error during layout **model** generation. Simplifies designing, as **model** data is updated relevant to the actual component details. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of 3D layout design assistance apparatus. (30) **Database** .

Dwg.1/30

Title Terms: THREE; DIMENSION; LAYOUT; DESIGN; ASSIST; APPARATUS; INSTALLATION; GAS; INSULATE; SWITCH; APPARATUS; SUBSTATION; COMBINATION; DATA; COMPONENT; BASED; CONNECT; RELATED; CIRCUIT; COMPONENT

Derwent Class: T01

International Patent Class (Main): G06F-017/50

File Segment: EPI

16/5/15 (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013010874  
WPI Acc No: 2000-182726/200016  
Related WPI Acc No: 1999-312973  
XRAM Acc No: C00-057323  
XRPX Acc No: N00-134704

**Determining function of protein or polypeptide domains, useful for drug discovery for proteins involved in neoplastic, metabolic, neurodegenerative, cardiovascular, psychiatric, inflammatory and infectious disorders**

Patent Assignee: UNIV RUTGERS STATE NEW JERSEY (RUTF )

Inventor: ANDERSON S; HUANG Y; MONTELIONE G

Number of Countries: 087 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200005414	A1	20000203	WO 99US16417	A	19990721	200016 B
AU 9951155	A	20000214	AU 9951155	A	19990721	200029
EP 1104488	A1	20010606	EP 99935746	A	19990721	200133
			WO 99US16417	A	19990721	

Priority Applications (No Type Date): US 98181601 A 19981029; US 9893641 P 19980721

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200005414	A1	E	71	C12Q-001/68	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
AU 9951155	A			C12Q-001/68	Based on patent WO 200005414
EP 1104488	A1	E		C12Q-001/68	Based on patent WO 200005414
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					

Abstract (Basic): WO 200005414 A1

NOVELTY - A method for determining a biochemical function of a proteins or polypeptide domain comprises identifying a stable polypeptide domain and comparing 3-dimensional (3D) structure determined by nuclear magnetic resonance (NMR) to a known structure, is new.

DETAILED DESCRIPTION - A novel high-throughput method for determining a biochemical function of a protein or polypeptide domain of unknown function comprises:

(a) identifying a putative polypeptide domain that properly folds into a stable polypeptide domain, the stable polypeptide having a defined 3D structure;

(b) determining 3D structure of the stable polypeptide domain from an automated analysis of NMR spectrometer spectra of the polypeptide domain, where the automated analysis is conducted by a NOESYAssign process;

(c) comparing the determined 3D structure of the stable polypeptide domain to known 3D structures in a protein **data bank**, where the comparison identifies known structures within the protein **data bank** that are homologous to the determined 3D structure; and

(d) correlating a biochemical function corresponding to the identified homologous structure to a biochemical function for the stable polypeptide domain.

INDEPENDENT CLAIMS are also included for the following:

(1) an **integrated** system for rapid determination of a biochemical function of a protein or protein domain of unknown function comprising:

(a) a first computer **algorithm** capable of parsing the **target** polynucleotide (tPN) into at least one putative domain encoding region;

(b) a designated lab for expressing the putative domain;

(c) a NMR spectrometer for determining individual spin resonances of amino acids of the putative domain;

(d) a data collection device capable of collecting NMR spectral data, where the data collection device is operatively coupled to the NMR spectrometer;

(e) at least one computer;

(f) a **second** computer algorithm capable of assigning individual spin resonances to individual amino acids of a polypeptide;

(g) a third computer algorithm capable of determining tertiary structure of a polypeptide, where the polypeptide has had resonances assigned to individual amino acids of the polypeptide;

(h) a **database**, where stored within the **database** is information about the structure and function of known proteins and determined proteins; and

(i) a fourth computer algorithm capable of determining 3D structure homology between the determined 3D structure of a polypeptide of

unknown function to 3D structure of a protein of known function, where the protein of known structure is stored within the protein **database**, where the fourth computer algorithm determines the structure by an automated NOESYAssign process; and

(2) a high-throughput method for determining a biochemical function of a polypeptide of unknown function encoded by a tPN comprising:

(a) identifying at least one putative polypeptide domain encoding region of the tPN (parsing);

(b) expressing the putative polypeptide domain;

(c) determining if the expressed putative polypeptide domain forms a stable polypeptide domain with a defined 3D structure (trapping);

(d) determining the 3D structure of the stable polypeptide domain by an automated NOESYAssign process;

(e) comparing the determined 3D structure of the stable polypeptide domain to known 3D structures in a Protein **Data Bank** to determine whether any such known structures are homologous to the determined structure; and

(f) correlating a biochemical function corresponding to the homologous structure to a biochemical function for the stable polypeptide domain.

USE - The methods can be used for elucidating the function of proteins and protein domains, particularly for drug discovery purposes. They can be used for domains from proteins genetically implicated in neoplastic, metabolic, neurodegenerative, cardiovascular, psychiatric and inflammatory disorders, such as Alzheimer's beta peptide precursor protein (APP), or domains from proteins associated with infectious agents, e.g. bacteria, fungi and viruses.

pp; 71 DwgNo 0/23

Title Terms: DETERMINE; FUNCTION; PROTEIN; POLYPEPTIDE; DOMAIN; USEFUL; DRUG; DISCOVER; PROTEIN; NEOPLASMS; METABOLISM; CARDIOVASCULAR; PSYCHIATRIC; INFLAMMATION; INFECT; DISORDER

Derwent Class: B04; D16; T01

International Patent Class (Main): C12Q-001/68

International Patent Class (Additional): C07K-013/00; C12P-019/34;

**G06F-017/00**

File Segment: CPI; EPI

16/5/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012924375 \*\*Image available\*\*

WPI Acc No: 2000-096211/200008

XRPX Acc No: N00-074282

**Icons-based file attribute linking method in file management system in desktop personal computer, computer network**

Patent Assignee: TULI R S (TULI-I)

Inventor: TULI R S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6003034	A	19991214	US 95442326	A	19950516	200008 B

Priority Applications (No Type Date): US 95442326 A 19950516

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6003034	A	25	G06F-017/30	

Abstract (Basic): US 6003034 A

NOVELTY - The icons representing data units are displayed. The icons to be linked are selected and the selected icons are linked to the data units. Some of displayed icons represent only the data unit, some of displayed icons do not represent other icons and some of data unit do not represent other data unit.

DETAILED DESCRIPTION - The icons are enclosed within separate group windows which represent more generalized topics about which files are related files. The group of icons can overlap each other and can be

used to perform **various** data units searches as defined graphically by Venn diagram illustrating intersecting sets. INDEPENDENT CLAIMS are also included for the following:

(a) computer readable medium storing icons data unit linking program;

(b) icon data units linking system

USE - For linking file attributes in file management system in desktop personal computer, computer network.

ADVANTAGE - Existence of hard links, enables predefined chain of groups or **categories** to be linked with any file saved and hence enables more elaborate **data base** system. More complicated searches can be performed to determine how **many** items between particular price range did a **customer** purchase, and by selecting all prices with in this range, from price group window and moving them to query area and **crossing** this price group icon with particular **customer** in query area, results are produced without need to write any specific **formulas** as commonly done in spreadsheets. **Selecting** of past **customer** from available list by clicking on name, eliminates generation of errors during typing of name and saves time by eliminating need for typing name for every time. Switching between **customer** record and **order** record tables whilst data input is not necessary as all information is available in same window, hence burden of primary keys and foreign keys is eliminated.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram explaining linking of software objects to **various** files.

pp; 25 DwgNo 13/16

Title Terms: BASED; FILE; ATTRIBUTE; LINK; METHOD; FILE; MANAGEMENT; SYSTEM ; PERSON; COMPUTER; COMPUTER; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

16/5/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012612252 \*\*Image available\*\*

WPI Acc No: 1999-418356/199935

XRPX Acc No: N99-312285

**Configuration viewing and managing method in computer network**

Patent Assignee: 3COM CORP (THRE-N)

Inventor: AHEARN M J; BARYIAMES K; BLACK D; CIAMPA R A; EMKEN J; NELSON W; SULC P J; XIANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5926463	A	19990720	US 97943769	A	19971006	199935 B

Priority Applications (No Type Date): US 97943769 A 19971006

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5926463	A	31	H04L-012/56	

Abstract (Basic): US 5926463 A

NOVELTY - **Several** workstations communicate via links connected to switches and routers. The copies of each MAC and IP look-up tables of switch and routers, are obtained by polling. The polled tables are **combined** to determine **status** of each link. The workstation, links, switches and routers are displayed graphically according to physical connectivity and **status** which **differs** mutually.

DETAILED DESCRIPTION - The switches have a MAC **database** storing information about received quantity of frames and their transfer **status**. The packets communicated between workstations include IP address of each workstation. The IP **database** of routers stores information regarding received quantity of packets and their transfer address.

USE - For **multiple** viewing and managing of computer network.

ADVANTAGE - Provides consistence set of views across the network using very thin **client** , very powerful server and in context **hierarchical** data which is used for future analysis of networks.

DESCRIPTION OF DRAWING(S) - The drawing shows a flowchart illustrating information collection, calculation and display process for routing view.

pp; 31 DwgNo 9/14

Title Terms: CONFIGURATION; VIEW; MANAGE; METHOD; COMPUTER; NETWORK

Derwent Class: W01

International Patent Class (Main): H04L-012/56

File Segment: EPI

16/5/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012360852 \*\*Image available\*\*

WPI Acc No: 1999-166959/199914

XRPX Acc No: N99-121671

**Automatic query execution plan optimizing method in relational database management system**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: COCHRANE R J; LAPIS G; PIRAHESH M H; SIDLE R S; SIMMEN D E;

TRUONG T C; URATA M S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5873075	A	19990216	US 97884832	A	19970630	199914 B

Priority Applications (No Type Date): US 97884832 A 19970630

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5873075	A	44	G06F-017/30		

Abstract (Basic): US 5873075 A

NOVELTY - Query graph (G) is reformed by separating two processes on respective ones of node pairs, to sequence execution for producing a query graph GMTI that enforces **database** integrity during table mutation. Query execution plans are generated for executing produced graph after evaluating execution cost of plan and selecting optimal query execution plan.

DETAILED DESCRIPTION - A query graph (G) for each table Teach is reformed by either restricting a data flow path between the nodes of one or more common referencing node pairs or inserting a sub-query node between the common referencing node pairs ..A poke sub-query passes data from a first node to a **second** node of one or more common referencing node pairs to ensure that the first node executes before the **second** node and produces exactly one record for consumption by the **second** node. INDEPENDENT CLAIMS are included for the following:

- (a) a query optimizer system;
- (b) a **database** processing system;
- (c) a computer program product for use with relational **database** processing system.

USE - In producer driver, **customer** driven, shared nothing, parallel execution RDBMS for restricting execution plans during query **merger** and optimization.

ADVANTAGE - Solves mutating table **database** integrity problem in SN-RDBMS by detecting potential mutating table integrity violations early in query graph **model** process before QGM rewrite and query execution plan optimization. Eliminates existing prohibitions on user query types in SN-RDBMS. Avoids query failure at runtime in a SN-RDBMS arising from selection of an optimal query plan containing mutating table integrity violations. Integrity is enforced by controlling **order** of relational operation without prohibiting any particular relational operation.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of flowchart showing mutating table violation prevention procedure

involved in automatic query execution plan optimizing method.

Query graph (G)

pp; 44 DwgNo 5A/15

Title Terms: AUTOMATIC; QUERY; EXECUTE; PLAN; METHOD; RELATED; DATABASE ;  
MANAGEMENT; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

16/5/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012229600 \*\*Image available\*\*

WPI Acc No: 1999-035707/199904

XRPX Acc No: N99-026753

**Intelligent context dependent search method for internet information retrieval - involves primary server search engine organising information stored on secondary server databases into categories that revolve around central themes and interacting with user to perform intelligent search**

Patent Assignee: COMPUTER GROUP INC (COMP-N)

Inventor: DUNCAN B; EVANS G; TELFORD R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2209265	A	19980827	CA 2209265	A	19970627	199904 B

Priority Applications (No Type Date): US 97807474 A 19970227

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CA 2209265	A	229	G06F-017/30	

Abstract (Basic): CA 2209265 A

The method involves a user activating a search engine on a remote primary server (22) through their computer workstation (20) using a viewer (30). The search engine organises the information available on the internet into **many** central themes, and defines **categories** that revolve around the themes. The **categories** can be; single; range; staticlist or dynamic list -type. The user fills out a search request and is urged by the search engine to **formulate** it from the **selections** that are available for each **category** in the **database**. The selections **combine** to produce a sharply focused search request.

USE - For intelligent searching of secondary web servers using browsers e.g. Microsoft Explorer (RTM) or Netscape Navigator (RTM).

ADVANTAGE - Does not require user to specify uniform resource locators (URL) of secondary web servers (26,28). Enables searching in specific context, with network interaction giving descriptive content of web sites and constraints on searching. Does not have to use full text searching; allowing more efficient access to commercial information in other formats without having to convert to HTML. Allows secondary servers to subscribe to URL hub without having to surrender full access to information stored on them.

Dwg.2/7

Title Terms: INTELLIGENCE; CONTEXT; DEPEND; SEARCH; METHOD; INFORMATION;  
RETRIEVAL; PRIMARY; SERVE; SEARCH; ENGINE; ORGANISE; INFORMATION; STORAGE  
; SECONDARY; SERVE; **CATEGORY** ; REVOLVING; CENTRAL; THEME; INTERACT; USER  
; PERFORMANCE; INTELLIGENCE; SEARCH

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-013/14

File Segment: EPI

16/5/20 (Item 20 from file: 350)



DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Derwent Info Ltd. All rts. reserv.

012033454     \*\*Image available\*\*

WPI Acc No: 1998-450364/199839

XRPX Acc No: N98-351272

**Information retrieval apparatus with search result narrowing-down function - has narrowing-down execution unit that decides order of question based on expected acquisition information-content maximising principle**

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001   Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10187739	A	19980721	JP 96341945	A	19961220	199839 B
JP 2985805	B2	19991206	JP 96341945	A	19961220	200003

Priority Applications (No Type Date): JP 96341945 A 19961220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 10187739	A		10	G06F-017/30	
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JP 2985805	B2		10	G06F-017/30	Previous Publ. patent JP 10187739
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Abstract (Basic): JP 10187739 A

The apparatus has a **database** (1) and a **hierarchical** -structure index (2) which consists of **several** nodes and a leaf. The input of a user is received by a search condition input receiver (3). A search conditional-expression memory (4) stores a search conditional expression. The search conditional expression and the search conditions are **combined** , converted and produced to an executable search conditional expression by a search conditional-expression generating unit (5).

A search result memory (7) stores the searching result of a search execution unit (6) which searches the **database** . The stored search result is shown to a user through a search result display (8). The input of the user is received by a narrowing-down execution receiver (9) which reduces the number of search results by adding the search conditions and performing the search. Based on an expected acquisition information-content maximising principle, a narrowing-down execution unit (10) decides the **order** of a question.

**ADVANTAGE** - Shows question and reply to user at most effective **order** . Narrows down information-retrieval result by choosing shown reply.

Dwg.1/7

Title Terms: INFORMATION; RETRIEVAL; APPARATUS; SEARCH; RESULT; NARROW; DOWN; FUNCTION; NARROW; DOWN; EXECUTE; UNIT; DECIDE; **ORDER** ; QUESTION; BASED; ACQUIRE; INFORMATION; CONTENT; MAXIMISE; PRINCIPLE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

16/5/21     (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2002 Derwent Info Ltd. All rts. reserv.

011559493     \*\*Image available\*\*

WPI Acc No: 1997-535974/199749

XRPX Acc No: N97-446133

**Integrated system for generating model of three-dimensional scene - includes scanning laser to scan scene and generate point cloud, from which model is generated, used to produce data file for input to computer-aided design system**

Patent Assignee: CYRA TECHNOLOGY (CYRA-N); CYRA TECHNOLOGIES INC (CYRA-N); CYRA TECHNOLOGIES (CYRA-N)

Inventor: BRUNKHART M; DIMSDALE J; KACYRA B K; KUNG J A; THEWALT C R; KUNG J; KACYRA B

Number of Countries: 021   Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9740342	A2	19971030	WO 97US6793	A	19970424	199749 B
EP 895577	A2	19990210	EP 97927605	A	19970424	199911
			WO 97US6793	A	19970424	
US 5988862	A	19991123	US 96638961	A	19960424	200002
JP 2000509150	W	20000718	JP 97538308	A	19970424	200037
			WO 97US6793	A	19970424	
US 6246468	B1	20010612	US 96638961	A	19960424	200135
			WO 97US6793	A	19970424	
			US 98177913	A	19981023	
US 6330523	B1	20011211	WO 97US6793	A	19970424	200204
			US 98177949	A	19981023	

Priority Applications (No Type Date): US 96638961 A 19960424; US 98177913 A 19981023; US 98177949 A 19981023

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9740342	A2	E	171	G01C-011/00	
					Designated States (National): CA JP US
					Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
EP 895577	A2	E			Based on patent WO 9740342
					Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
US 5988862	A			G06F-017/50	
JP 2000509150	W		189	G01B-011/24	Based on patent WO 9740342
US 6246468	B1			G01C-003/08	Cont of application US 96638961
					Cont of application WO 97US6793
US 6330523	B1			G01B-007/287	Div ex application WO 97US6793

Abstract (Basic): WO 9740342 A

The system includes a scanning laser device that scans a three dimensional scene and generates a point cloud. The point cloud comprises **several** data points that each represent a location of a corresponding point on a surface of the scene. An element responsive to the point cloud generates a first **model** representing constituent geometric shapes of the scene.

The system further includes a device responsive to the first **model** for generating a **data file**. The **data file** is suitable for input to a computer-aided design (CAD) system. The system further includes a device for initiating execution of the CAD system and automatically loading the **data file** into the CAD system.

ADVANTAGE - Quick and accurate sensing of **position** in three-dimensional space of selected points on surface of object. Produces representative **model**.

Dwg.1/40

Title Terms: **INTEGRATE** ; SYSTEM; GENERATE; **MODEL** ; THREE; DIMENSION; SCENE; SCAN; LASER; SCAN; SCENE; GENERATE; POINT; CLOUD; **MODEL** ; GENERATE; PRODUCE; DATA; FILE; INPUT; COMPUTER; AID; DESIGN; SYSTEM

Derwent Class: S02; T01; T06; W06; X25

International Patent Class (Main): G01B-007/287; G01B-011/24; G01C-003/08; G01C-011/00; **G06F-017/50**

International Patent Class (Additional): G01B-007/02; G01B-007/28; G01B-011/00; G01C-025/00; G06T-007/00

File Segment: EPI

16/5/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011479816 \*\*Image available\*\*

WPI Acc No: 1997-457723/199742

XRPX Acc No: N97-381186

Database **system** for hierarchical , network and relational access - has data held in common repository on disc and uses source records

**definitions to show relationships of independent data**

Patent Assignee: INFORMATION PROJECTS GROUP INC (INFO-N); INFORMATION  
PROJECT GROUP INC (INFO-N)  
Inventor: BALLURIO K B; EDLESTEIN M R; PUCKETT B B; EDELSTEIN M R  
Number of Countries: 072 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9733241	A1	19970912	WO 97US3615	A	19970305	199742 B
AU 9720730	A	19970922	AU 9720730	A	19970305	199804
US 5842212	A	19981124	US 96610945	A	19960305	199903

Priority Applications (No Type Date): US 96610945 A 19960305

Cited Patents: US 5566333; WO 9008360

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9733241	A1	E	36	G06F-017/30	
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Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE  
DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9720730	A		G06F-017/30	Based on patent WO 9733241
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US 5842212	A		G06F-017/30	
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**Abstract (Basic): WO 9733241 A**

The **database** system uses hierarchial structures to **order** large amount of information from **different** sources. A network structure is used to **cross** -reference related data from **different** hierarchies. A relational structure is then used to access the **various hierarchical** and network structures. A common data repository is formed in memory holding the disparate data and structures from **different** sources.

When data is entered each source field is stored independently from its source record definition. A variable length character field structure is used to store the field definitions including ID's and a data array.

ADVANTAGE - Allows **multiple** management and access to disparate data without regard for the source field and structure.

Dwg.1/9

Title Terms: **DATABASE** ; SYSTEM; HIERARCHY; NETWORK; RELATED; ACCESS; DATA;  
HELD; COMMON; REPOSITORY; DISC; SOURCE; RECORD; DEFINE; SHOW; RELATED;  
INDEPENDENT; DATA

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

**16/5/23 (Item 23 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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011479102 \*\*Image available\*\*

WPI Acc No: 1997-457009/199742

XRPX Acc No: N97-380665

**Method of generating integrated circuit file for CAD system - involves creating new library of hybrid logic cells from gate schematic net list which are used to generate integrated circuit file in accordance with gate schematic net list**

Patent Assignee: MOTOROLA INC (MOTI )

Inventor: BLAAUW D T; GURUSWAMY M; JONES L G; MAZIASZ R L

Number of Countries: 001 Number of Patents: 001

**Patent Family:**

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5666288	A	19970909	US 95426211	A	19950421	199742 B

Priority Applications (No Type Date): US 95426211 A 19950421

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 5666288	A		17	G06F-017/50	
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Abstract (Basic): US 5666288 A

The method involves providing a predetermined library containing a predetermined **plurality** of logic cells. A behaviour **model** which comprises a logical description of the functionality of the **integrated** circuit is provided. The behaviour **model** and the predetermined library are used to generate a gate schematic net list of the **integrated** circuit where the gate schematic net list contains **various** logic cells from the predetermined library. The **various** logic cells are altered in size to create hybrid logic gates in **order** to optimise the gate schematic net list. A new library of hybrid logic cells are created from the gate schematic net list and these new hybrid logic cells are used to generate the **integrated** circuit file in accordance with the gate schematic net list. The **integrated** circuit file is provided to a **place** and route tool which will provide a **data** file containing two dimensional layout data for an **integrated** circuit in accordance with the **integrated** circuit file.

ADVANTAGE - Defines and manipulates library cells throughout entire design process.

Dwg.4/9

Title Terms: METHOD; GENERATE; **INTEGRATE** ; CIRCUIT; FILE; CAD; SYSTEM; NEW ; LIBRARY; HYBRID; LOGIC; CELL; GATE; SCHEME; NET; LIST; GENERATE; **INTEGRATE** ; CIRCUIT; FILE; ACCORD; GATE; SCHEME; NET; LIST

Derwent Class: T01

International Patent Class (Main): **G06F-017/50**

File Segment: EPI

16/5/24 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011434506 \*\*Image available\*\*

WPI Acc No: 1997-412413/199738

XRPX Acc No: N97-343606

**Rectangular** difference mesh data production for computer aided engineering analysis of e.g. heat conduction, freezing, casting flow - by producing crossover mesh data directly according to conditional expression which is provided for determining integration state of simple substance based on differential mesh model data

Patent Assignee: HONDA MOTOR CO LTD (HOND )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9185729	A	19970715	JP 95342710	A	19951228	199738 B

Priority Applications (No Type Date): JP 95342710 A 19951228

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9185729	A		14		

Abstract (Basic): JP 9185729 A

The method involves forming a three-dimensional solid **model** (120), required for the intersections of three orthogonal line data (121) in an arbitrary pitch, using a computer aided design system (111). The maximum surface point data of the three-dimensional solid **model** is calculated. The relative **position** of the maximum surface point data and virtual **difference** mesh data with the representing point of a **differential** mesh data is determined.

An attribute is provided to the virtual **difference** mesh data based on the determined relative **position** . A conditional expression is provided based on a produced **differential** mesh **model** data of a simple substance. A **crossover** mesh data is directly produced and computed from providing the conditional expression that determines the **integrated** state of the simple substance used as the object of a desired analytical **model** .

ADVANTAGE - Eases direction production of **crossover** mesh data even if three-dimensional solid **model** has complicated shape. Enables

simple data processing at high-speed. Simplifies interface of CAD system and CAE system. Reduces processing load in casting analysis.

Dwg.1/21

Title Terms: RECTANGLE; **DIFFER** ; MESH; DATA; PRODUCE; COMPUTER; AID; ENGINEERING; ANALYSE; HEAT; CONDUCTING; FREEZE; CAST; FLOW; PRODUCE; **CROSSOVER** ; MESH; DATA; ACCORD; CONDITION; EXPRESS; DETERMINE; **INTEGRATE** ; STATE; SIMPLE; SUBSTANCE; BASED; **DIFFERENTIAL** ; MESH; **MODEL** ; DATA  
Index Terms/Additional Words: **CAE\_CA** **DRectangu** **lar diffe** **rence mesh d**  
**ata p** ; CAD

Derwent Class: T01

International Patent Class (Main): G06T-017/20

International Patent Class (Additional): **G06F-017/00**

File Segment: EPI

16/5/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010993067 \*\*Image available\*\*

WPI Acc No: 1996-490016/199649

XRFX Acc No: N96-412948

Database **conceptual-schema** integrated support appts. - has scheme integrated unit which combines several concept graphs in which received scheme standardised according to predetermined data item naming rule are transformed by model converter

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8249338	A	19960927	JP 9548114	A	19950308	199649 B

Priority Applications (No Type Date): JP 9548114 A 19950308

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8249338	A		15	G06F-017/30	

Abstract (Basic): JP 8249338 A

The appts. has a receiver (100) which receives a schema data for integration. A data standardisation unit (101) standardises the received attribute name of a schema according to a predetermined data item naming rule. A **model** converter (102) transforms the received schema in concept graph. A term dictionary (107) holds the **classification** data on the term used in the name of a schema component.

A similarity calculator (103) uses the term dictionary to obtain the similarity between the schema component of both schema for integration. An operator uses an interface to determine the relation of the schema component and decides the similarity of the calculated schema component. A schema **integrated** unit (104) **combines several** concept graphs.

ADVANTAGE - Supports work which produces **integrated** schema over **several database** needed in case data stored by existing **database** is used. Improves efficiency of work which unifies conceptual schema of **database** .

Dwg.1/16

Title Terms: **DATABASE** ; **INTEGRATE** ; SUPPORT; APPARATUS; SCHEME; **INTEGRATE** ; UNIT; COMBINATION; CONCEPT; GRAPH; RECEIVE; SCHEME; STANDARD; ACCORD; PREDETERMINED; DATA; ITEM; RULE; TRANSFORM; **MODEL** ; CONVERTER

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): G06F-012/00

File Segment: EPI

16/5/26 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010790425      \*\*Image available\*\*

WPI Acc No: 1996-287378/199629

XRPX Acc No: N96-241183

**Providing extensible query architecture for information retrieval system**  
- includes search application that has variety of code module classes,  
each implementing specific type of query model on data types in  
database

Patent Assignee: ARCHITEXT SOFTWARE INC (ARCH-N); EXCITE INC (EXCI-N)

Inventor: SPENCER G

Number of Countries: 068    Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9618159	A2	19960613	WO 95US16496	A	19951207	199629 B
AU 9646413	A	19960626	AU 9646413	A	19951207	199641
WO 9618159	A3	19960906	WO 95US16496	A	19951207	199645
US 5577241	A	19961119	US 94350967	A	19941207	199701
EP 796470	A1	19970924	EP 95944342	A	19951207	199743
			WO 95US16496	A	19951207	
EP 796470	B1	19990414	EP 95944342	A	19951207	199919
			WO 95US16496	A	19951207	
DE 69509118	E	19990520	DE 609118	A	19951207	199926
			EP 95944342	A	19951207	
			WO 95US16496	A	19951207	
ES 2132769	T3	19990816	EP 95944342	A	19951207	199939

Priority Applications (No Type Date): US 94350967 A 19941207

Cited Patents: Jnl.Ref; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9618159	A2	E	26	G06F-017/30	
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Designated States (National): AL AM AT AU BB BG BR BY CA CH CN CZ DE DK  
EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LS LU  
MC MW NL OA PT SD SE SZ UG

AU 9646413	A			G06F-017/30	Based on patent WO 9618159
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US 5577241	A		14	G06F-017/30	
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EP 796470	A1	E		G06F-017/30	Based on patent WO 9618159
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC  
NL PT SE

EP 796470	B1	E		G06F-017/30	Based on patent WO 9618159
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC  
NL PT SE

DE 69509118	E			G06F-017/30	Based on patent EP 796470
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Based on patent WO 9618159

ES 2132769	T3			G06F-017/30	Based on patent EP 796470
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WO 9618159	A3			G06F-017/30	
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Abstract (Basic): WO 9618159 A

The system has an extensible query architecture which allows an applications programmer to **integrate** new query **models** into the system as desired. The architecture is based on an abstract base class of query nodes, or code objects that retrieve records from the **database**. Specific sub-classes are derived from the base class. Each query node class includes a search function that iteratively searches the **database** for matching records. Query node objects are instantiated by associated node creator class objects.

A parser is used to parse a search query into its components, including nested search queries used to **combine various** query **models**. The parser determines the particular search operator keywords and the node creator object. The node creator objects return pointers to the created query nodes.

ADVANTAGE - Allows parser to assemble complex **hierarchical** query nodes that **combine multiple** query **models**.

Dwg.1/6

Title Terms: EXTEND; QUERY; ARCHITECTURE; INFORMATION; RETRIEVAL; SYSTEM;  
SEARCH; APPLY; VARIETY; CODE; MODULE; CLASS; IMPLEMENT; SPECIFIC; TYPE;

QUERY; MODEL ; DATA; TYPE; DATABASE  
Derwent Class: T01  
International Patent Class (Main): G06F-017/30  
File Segment: EPI

16/5/27 (Item 27 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010701152 \*\*Image available\*\*  
WPI Acc No: 1996-198107/199620  
XRPX Acc No: N96-166368

Document control data processor - has data input-output unit with media  
clearly defined to save treated document as file by which  
capacitive-access speed differentiate many data files

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8069473	A	19960312	JP 94203149	A	19940829	199620 B
JP 3150254	B2	20010326	JP 94203149	A	19940829	200126

Priority Applications (No Type Date): JP 94203149 A 19940829

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8069473	A	18		G06F-017/30	
JP 3150254	B2	19		G06F-017/30	Previous Publ. patent JP 8069473

Abstract (Basic): JP 8069473 A

The processor has a document control file storage (106) which stores two or more **data files** and document management files. The stored **data files** and document management files are discriminated in a capacitive-access speed. The capacitive-access speed describes numerous access mechanism in relation **order** where it collects each **data file** and considers it as a document.

A whole-sentence reference mechanism carries out the whole-sentence reference of **data file** contents. The **data file** contents is comprised of a text in accordance with a table for every individual **model** of the **data file**. The text data describes the reference conditions and a preservation medium. A document reference mechanism searches the document which makes the **data file** as a result and performs document reference without using a **database**.

ADVANTAGE - Raises counter efficiency. Enables definition of more complicated files. Gives flexible device **composition**. User does not need to have full knowledge of file system.

Dwg.1/21

Title Terms: DOCUMENT; CONTROL; DATA; PROCESSOR; DATA; INPUT; OUTPUT; UNIT; MEDIUM; DEFINE; SAVE; TREAT; DOCUMENT; FILE; CAPACITANCE; ACCESS; SPEED; DIFFERENTIAL ; DATA; FILE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-003/14; G06F-017/21

File Segment: EPI

16/5/28 (Item 28 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010463359 \*\*Image available\*\*  
WPI Acc No: 1995-364678/199547  
XRPX Acc No: N95-269728

Master-slice Large Scale Integration design appts. - has creation part that generates resistance length value and via hole data based on circuit description

Patent Assignee: FUJITSU LTD (FUIT ); FUJITSU VLSI LTD (FUIV )

Inventor: SATO N; YOSHIDA K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7249748	A	19950926	JP 9442838	A	19940314	199547 B

Priority Applications (No Type Date): JP 9442838 A 19940314

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7249748	A		11	H01L-027/118	

Abstract (Basic): JP 7249748 A

The appts. has a **database** (20) which stores the circuit description including **various** circuit symbols which includes the resistance value of each resistor symbol. A creation part (2) forms the information on the element cell based on the circuit description and stores it in a layout file (21). The creation part forms the data of the via hole which should be formed on the element cell. The resistance length is calculated and the via hole is formed on the resistance cell based on the resistance length.

A display controller (2) displays the circuit **model** on an indicator (5) based on the cell information. A selector (2) selects the arbitrary cells which corresponds to the circuit symbols excluding the resistor symbol. Based on the data of the via hole, a via hole is displayed on the concerned cell. The selector selects the resistance cells which corresponds to the resistor symbol. Based on the data of the via hole, one pair of via hole is displayed on the concerned resistance cell.

ADVANTAGE - Increases design efficiency by generating resistance value and via hole **data based** on circuit description.

Dwg.1/13

Title Terms: MASTER; SLICE; SCALE; **INTEGRATE** ; DESIGN; APPARATUS; CREATION ; PART; GENERATE; RESISTANCE; LENGTH; VALUE; HOLE; DATA; BASED; CIRCUIT; DESCRIBE

Derwent Class: T01; U11; U13

International Patent Class (Main): H01L-027/118

International Patent Class (Additional): **G06F-017/50** ; H01L-021/82

File Segment: EPI

16/5/29 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009213274 \*\*Image available\*\*

WPI Acc No: 1992-340694/199242

XRPX Acc No: N92-259864

**Entry, storage, collation and recovery of data - using hierarchy of tables containing references to succession of lower order parameters to control access to data under database instructions**

Patent Assignee: INISHASHE LTD (INIS-N)

Inventor: BIDDLE M

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 1003889	A6	19920707	BE 92173	A	19920220	199242 B
GB 2264185	A	19930818	GB 922240	A	19920203	199333 N
GB 2264185	B	19950517	GB 922240	A	19920203	199523 N

Priority Applications (No Type Date): BE 92173 A 19920220; GB 922240 A 19920203

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
BE 1003889	A6		18	G06F-000/00	
GB 2264185	A		22	G06F-015/40	
GB 2264185	B		4	G06F-017/30	

Abstract (Basic): BE 1003889 A

The data handling procedure determines the parameters of the data



and the **hierarchical order** of these parameters. Storage structures are then assigned in the **database** storage controller as tables in the **database**. The table contains the value of a first **order** parameter which references values of a **second order** parameter, which in turn identifies zones of third **order** parameters.

The tables are used in conjunction with operating instructions for the **database** to control the storage of data and access to data.

ADVANTAGE - Fast and reliable access to large **database** holding hundreds of Megabytes.

Dwg.1/3

Title Terms: ENTER; STORAGE; COLLATE; RECOVER; DATA; HIERARCHY; TABLE; CONTAIN; REFERENCE; SUCCESSION; LOWER; **ORDER** ; PARAMETER; CONTROL; ACCESS; DATA; **DATABASE** ; INSTRUCTION

Derwent Class: T01

International Patent Class (Main): G06F-015/40; **G06F-017/30**

File Segment: EPI

**16/5/30 (Item 30 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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007866991

WPI Acc No: 1989-132103/198918

XRPX Acc No: N89-100605

**Concept design tool for computer based project management - has series of pop-up menus guiding user through manufacturing and planning for part**

Patent Assignee: HOESCH AG (HOES ); IBM CORP (IBMC ); INT BUSINESS MACHINES CORP (IBMC )

Inventor: FERRITER K A; WITT P R; FERRITER K M

Number of Countries: 006 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 314594	A	19890503	EP 88480026	A	19880913	198918 B
BR 8805598	A	19890711				198933
US 5109337	A	19920428	US 87113694	A	19871028	199220
EP 314594	B1	19960313	EP 88480026	A	19880913	199615
DE 3855094	G	19960418	DE 3855094	A	19880913	199621
			EP 88480026	A	19880913	

Priority Applications (No Type Date): US 87113694 A 19871028

Cited Patents: 4.Jnl.Ref; A3...9103; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 314594	A	E	15		
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Designated States (Regional): DE FR GB IT

US 5109337	A		13		
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EP 314594	B1	E	15	G06F-017/60	
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Designated States (Regional): DE FR GB IT

DE 3855094	G			G06F-017/60	Based on patent EP 314594
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Abstract (Basic): EP 314594 A

The conceptual design tool uses a sketch sheet approach on a computer display to enter the functional design of a product, to encourage the designer to use a top down approach to the design process. The user keys in part descriptions, and the system automatically draws a **hierarchical** tree structure on the computer display. The user is then prompted to consider, part by part, all of the parts in the product. A series of pop-up menus guide the user through manufacturing and planning for the part.

Based on the data input by the user, the system then generates a qualified parts list and computes an estimated cost figure for the product using manufacturing information gathered by the conceptual design tool during product release planning.

1/8

Title Terms: CONCEPT; DESIGN; TOOL; COMPUTER; BASED; PROJECT; MANAGEMENT; SERIES; POP; UP; MENU; GUIDE; USER; THROUGH; MANUFACTURE; PLAN; PART

Derwent Class: T01

International Patent Class (Main): G06F-017/60  
International Patent Class (Additional): G06F-015/21; G06F-015/60  
File Segment: EPI

16/5/31 (Item 31 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07022326 \*\*Image available\*\*  
SYSTEM AND METHOD FOR **SIMULTANEOUSLY** CONSTITUTING PHYSICAL **MODEL** AND  
CAD **MODEL**

PUB. NO.: 2001-249958 [JP 2001249958 A]  
PUBLISHED: September 14, 2001 (20010914)  
INVENTOR(s): ROBERT H WOLF JR  
APPLICANT(s): INTERNATL BUSINESS MACH CORP (IBM)  
APPL. NO.: 2001-013219 [JP 20011013219]  
FILED: January 22, 2001 (20010122)  
PRIORITY: 00 500293 [US 2000500293], US (United States of America),  
February 08, 2000 (20000208)  
INTL CLASS: G06F-017/50

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an efficient tool for generating the CAD **model** of a corresponding physical **model** .

SOLUTION: These system and method for **simultaneously** constituting the corresponding CAD **model** and physical **model** are provided and there the CAD **model** is provided with **plural** CAD expressions corresponding to components respectively used for constituting the physical **model** . While constituting the physical **model** by using the respective components, a CAD system identifies the given components and retrieves the CAD expressions from a CAD library. Further, the CAD system enables a user to prepare the CAD expression in the case that the CAD expression of the given component is not stored in the CAD library. When the CAD expression of the component is generated, the CAD system tracks the movement ( **position** and direction) of the component when the component is moved to the desired **position** of the physical **model** . The **position** , direction and CAD expression of the components existing inside the physical **model** are kept inside a CAD **model data base** . During assembly, when the respective components are arranged inside the physical **model** , the CAD system draws the image of the CAD **model** .

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16/5/32 (Item 32 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06425480 \*\*Image available\*\*  
METHOD AND SYSTEM FOR MANAGING ANALYTICAL RESOURCE IN ANALYTICAL PROCESSING  
SYSTEM

PUB. NO.: 2000-011043 [JP 2000011043 A]  
PUBLISHED: January 14, 2000 (20000114)  
INVENTOR(s): TERANISHI MAOKO  
APPLICANT(s): PFU LTD  
APPL. NO.: 10-178868 [JP 98178868]  
FILED: June 25, 1998 (19980625)  
INTL CLASS: G06F-017/60

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an analytical resource sorting function capable of efficiently and **uniterily** managing generated analytical resources by utilizing **hierarchical** structure and considering the **hierarchical** structure in an analytical processing system.

SOLUTION: A server 10 is provided with a **database** 10a and an analytical format 10b and a user executes **various** analytical operation based on the data stored in the **database** 10a and analytical resources ( **categories** being analytical formats and its set). For the **hierarchical** management of analytical resources, the server 10 is provided with tree information 10c corresponding to respective analytical resources and a means 10d (access function) for sorting the tree information 10c and reporting the sorted result to a **client** 20. When tree information request is sent from a **client** 200d to the server 10, the server 10 sorts the tree information by using a tree information retrieving area and sent. the sorted tree information to the **client** 20 in the specified **order** .

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16/5/33 (Item 33 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05904674 \*\*Image available\*\*

**CROSS** -SECTIONAL DRAWING PREPARING METHOD FOR THREE-DIMENSIONAL **MODEL** ,  
AND STORAGE MEDIUM

PUB. NO.: 10-187774 [JP 10187774 A]  
PUBLISHED: July 21, 1998 (19980721)  
INVENTOR(s): KATSUYAMA TSUNEKICHI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-340835 [JP 96340835]  
FILED: December 20, 1996 (19961220)  
INTL CLASS: [6] G06F-017/50 ; G06T-017/40  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.9 (INFORMATION PROCESSING -- Other)

#### ABSTRACT

PROBLEM TO BE SOLVED: To make it possible to display the element outer shape when a component it cut at an arbitrary viewpoint, **position** and width, by specifying the **cross** -sectional space of three-dimensional(3D) **model** displayed in a plane.

SOLUTION: In the **cross** -sectional drawing of a border area 24 and parts 25 and 26 as the components of 3D **model** , concerning the condition designation of **cross** section, the **position** of **cross** section **crossing** an X-Y axial plane is designated, for example. Concretely, a **cross** -sectional viewpoint parameter for designating whether the **cross** section is to be watched from left or right, **cross** -sectional **position** parameter for designating a distance from a reference point to a center line 27 of **cross** section and **cross** -sectional width parameter for designating width 28 spread from the center line 27 of **cross** section to an X-axis direction are respectively inputted to a **cross** section designation processing part to designate the **cross** section. **Next** , the outline data of border area 24 and parts 26 as the components existent in a designated **cross** -sectional area are read out of a storage device and the border area 24 and the parts 26 are extracted by a component extraction processing part. Further, a **cross** -sectional drawing generation processing part generates the **cross** -sectional **data** **based** on these extracted outer shape data.

16/5/34 (Item 34 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2002 JPO & JAPIO. All rts. reserv.

05546148 \*\*Image available\*\*  
DESIGNING DEVICE

PUB. NO.: 09-160948 [JP 9160948 A]  
PUBLISHED: June 20, 1997 (19970620)  
INVENTOR(s): HIRASUNA KIYOMI

APPLICANT(s): NISSAN MOTOR CO LTD [000399] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 07-318124 [JP 95318124]  
FILED: December 06, 1995 (19951206)  
INTL CLASS: [6] G06F-017/50  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

#### ABSTRACT

PROBLEM TO BE SOLVED: To store personal characteristics with a smaller memory capacity by writing user's inherent characteristics in a **data base** only when a **difference** between example drawings of interior design before and after changing the design is sufficiently large.

SOLUTION: When a user inputs a personal identification(ID) number, the existence of a personal characteristic **data base** for the same user is checked. When the user inputs an overall adjective from a keyboard 1, a CPU 3b (inference means) selects a unit adjective having a maximum partial **regression** coefficient for each corresponding unit by the use of an overall **data base** 11. The CPU 3b (output means) **combines** respective selected **categories** and displays a design drawing on a CRT 5. When the design drawing does not match with a user's sense, the user inputs another **category** **different** from the displayed **categories** so as to match the design drawing with the user's sense. The CPU 3b (judging means) checks a **difference** in design before and after the change of the details by the user, and only when the **difference** is sufficiently large, the change is written in the personal **data base**.

16/5/35 (Item 35 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05429757 \*\*Image available\*\*  
CIRCUIT DESIGNING SUPPORT DEVICE

PUB. NO.: 09-044557 [JP 9044557 A]  
PUBLISHED: February 14, 1997 (19970214)  
INVENTOR(s): ITO CHIKAKO  
YAMAGUCHI HIDEKUNI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
MITSUBISHI DENKI SEMICONDUCTOR SOFTWARE KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 07-198772 [JP 95198772]  
FILED: August 03, 1995 (19950803)  
INTL CLASS: [6] G06F-017/50  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

#### ABSTRACT

PROBLEM TO BE SOLVED: To automatically extract user-defined symbols as low **order** logic circuit data from high **order** logic circuit data having **hierarchical** structure and automatically **merge** them by copying the user-defined symbol extracted by a user-defined symbol extracting device to a directory and then **merging** them.

SOLUTION: The user-defined symbol extracting device 24 extracts **hierarchically** user-defined symbols below a function block from a **data base** 31 according to **hierarchical** structure information on the user-defined symbols extracted by a **hierarchical** information extracting device 23, and registers them in a **data base** 35. Then, a user-defined symbol **merging** device 25 takes in all the user-defined symbols registered in the **data base** 35, changes old **data base** user-defined symbol names to which their contents are copied into new **data base** user-defined symbol names used for current logic circuit designing, and registers the new user-defined symbols whose directory path names are changed in a **different data base** 36.

16/5/36 (Item 36 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05401844 \*\*Image available\*\*  
METHOD FOR EXPANDING HIERARCHICAL GRAPHIC DATA

PUB. NO.: 09-016644 [JP 9016644 A]  
PUBLISHED: January 17, 1997 (19970117)  
INVENTOR(s): MAKIHARA JUN  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
FUJITSU VLSI LTD [491219] (A Japanese Company or Corporation)  
, JP (Japan)  
APPL. NO.: 07-161063 [JP 95161063]  
FILED: June 27, 1995 (19950627)  
INTL CLASS: [6] G06F-017/50  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R060 (MACHINERY -- Automatic Design); R129 (ELECTRONIC  
MATERIALS -- Super High Density Integrated Circuits, LSI &  
GS

#### ABSTRACT

PURPOSE: To provide a **hierarchical** graphic data expanding method capable of speeding up expansion processing.

CONSTITUTION: A main computer 2 fetchs **hierarchical** graphic data from a layout **data file** stored in a magnetic disk device 7, traces the **hierarchical** structure of each module **data based** upon reference data and calculates arrangement **position** information for expanding each module data from the reference point of module data on the uppermost hierarchy based upon the reference data. The main computer 2 divides all module data into **plural** data groups each of which consists of **plural** module data in upper and lower hierarchies and transfers the arrangement **position** information for expanding **plural** module data constituting each data group and real graphic data referred by the module data to **plural** subcomputers 3. Each of **plural** subcomputers 3 develops the transferred data and transfers the expanded result data to the main computer 2.

16/5/37 (Item 37 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04306707 \*\*Image available\*\*  
CONFIRMING METHOD FOR BUILDING SPECIFICATION

PUB. NO.: 05-298407 [JP 5298407 A]  
PUBLISHED: November 12, 1993 (19931112)  
INVENTOR(s): NAKAO KAZUHIRO  
APPLICANT(s): HAABESUTO SYST KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-104399 [JP 92104399]  
FILED: April 23, 1992 (19920423)  
INTL CLASS: [5] G06F-015/60; G06F-015/40  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: P, Section No. 1696, Vol. 18, No. 103, Pg. 36,  
February 18, 1994 (19940218)

#### ABSTRACT

PURPOSE: To shorten the time required for the consultation of design needed for obtaining the design to conform to the desire of the **client** of the building, and **simultaneously**, to dispense with the construction of a **model** house required in the past in **order** to confirm the desire of the **client** of the building.

CONSTITUTION: The building specification data and the image data of drawings of the various types of building models are inputted beforehand in the storage device 4 of a lap-top computer mounting a card type data base program 2 and a card retrieving program 3, and the building model close to the desire of the client of the building is retrieved from among the building specification data, and the image data of the drawing of the extracted building model is displayed on the display part 5 of the computer, and the building specification the client of the building desires is made clear by confirming whether the extracted building model is close to the desire of the client of the building or not.

16/5/38 (Item 38 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03505965 \*\*Image available\*\*  
PATTERN LEARNING TYPE ORDERING DEVICE AND CAD DEVICE

PUB. NO.: 03-168865 [JP 3168865 A]  
PUBLISHED: July 22, 1991 (19910722)  
INVENTOR(s): WATANABE MASAHIRO  
ONARI TAKASHI  
MATSUZAKI YOSHIE  
MATOBA HIDEAKI  
INABA HIDETOSHI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 01-307777 [JP 89307777]  
FILED: November 29, 1989 (19891129)  
INTL CLASS: [5] G06F-015/22; G06F-015/21; G06F-015/60  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R060 (MACHINERY -- Automatic Design)  
JOURNAL: Section: P, Section No. 1266, Vol. 15, No. 418, Pg. 6,  
October 23, 1991 (19911023)

#### ABSTRACT

PURPOSE: To help the change of specifications or the decision of ordering by immediately indicating the estimations of price and the appointed date of delivery for specifications different in each customer .

CONSTITUTION: The ordering device 1 is constituted of a display device 2, a camera 3, a request specification input device 4, a specification storage device 5, a price/appointed date estimating device 6 having a pattern learning function, an estimation model parameter storage device 7, a line state data base 8, and a past price/appointed date experience data base 9. An order is generated to a production line 10 and the line state and production experience of the line 10 are monitored for estimations. Since the estimation device 6 having the pattern learning function to estimate at least one of the price and the appointed data of delivery is integrated in the ordering device 1 and at least one of the price and the appointed date is immediately displayed for the request specifications different in each customer , the device can help the change of specifications or the decision of ordering .

Set	Items	Description
S1	1	AU=(GORENSTEIN A? <del>OR</del> GORENSTEIN, A?)
S2	79969	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	393763	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINAN() ANALYS? OR TREE() INDUCT? - OR CHAID OR THAID
S4	84659	DATABASE? OR DATA() (BASE? OR BANK? OR FILE? OR MINE? OR MI- NING) OR DATAMIN? OR DATAFILE?
S5	2738835	COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULT- ANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?
S6	4672881	MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONAL? OR - VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR NEXT?
S7	4049161	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	67401	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET(2N) MARKET?
S9	185044	S8 OR MARKET? OR SHOP? OR BUY? OR SELL? OR VEND? OR ECOMME- RC? OR COMMERC?
S10	2	S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8
S11	22	(S2 OR S3) AND S4 AND S5 AND S6 AND S7 AND S9
S12	819	(S2 OR S3) (3N) S5 (3N) S6
S13	5	S7 AND S9 AND S12
S14	1296	(S2 OR S3) (3N) S5 (5N) (S6 OR REPEAT? OR REITERAT? OR AGAIN? - OR ITERATIV?)
S15	6	S7 AND S9 AND S14
S16	18	S9 AND S14
S17	224	S14(S) S7
S18	7	S17 AND IC=G06F-017?
S19	47	S10 OR S11 OR S13 OR S15 OR S16 OR S18
S20	24	S19 AND IC=G06F-017?
S21	24	IDPAT (sorted in duplicate/non-duplicate order)
S22	24	IDPAT (primary/non-duplicate records only)

File 344: CHINESE PATENTS ABS APR 1985-2001/Dec

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File 347: JAPIO OCT 1976-2001/Sep (UPDATED 020102)

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File 350: Derwent WPIX 1963-2001/UD, UM & UP=200208

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22/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014202491 \*\*Image available\*\*  
WPI Acc No: 2002-023188/200203  
XRPX Acc No: N02-018559

**Building design method involves reducing width of sitting room and sides of utility rooms in main and subcore areas respectively to form different design models**

Patent Assignee: MISAWA HOMES CO LTD (MISA-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001297122	A	20011026	JP 2000112129	A	20000413	200203 B

Priority Applications (No Type Date): JP 2000112129 A 20000413

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001297122	A		16	G06F-017/50	

Abstract (Basic): JP 2001297122 A

NOVELTY - The width of sitting room in main core area and side portion of the utility rooms in sub-core area are reduced to form **different design models**. **Models selected** from main and sub-core area are **combined** to produce the top view of the building.

USE - For designing building.

ADVANTAGE - Provides several building designs corresponding to various requests of **customer**, without increasing time and workload of the design.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of the menu screen of the building design system.

pp; 16 DwgNo 3/13

Title Terms: BUILD; DESIGN; METHOD; REDUCE; WIDTH; SIT; ROOM; SIDE; UTILISE  
; ROOM; MAIN; AREA; RESPECTIVE; FORM; DESIGN; MODEL

Derwent Class: Q46; T01

International Patent Class (Main): G06F-017/50

International Patent Class (Additional): E04H-001/00

File Segment: EPI; EngPI

22/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013946301 \*\*Image available\*\*  
WPI Acc No: 2001-430514/200146

**System and method for on-line architectural design**

Patent Assignee: KIM D Y (KIMD-I)

Inventor: KIM D Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001000959	A	20010105	KR 200064321	A	20001031	200146 B

Priority Applications (No Type Date): KR 200064321 A 20001031

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001000959	A		1	G06F-017/50	

Abstract (Basic): KR 2001000959 A

NOVELTY - A system and method for architectural design is provided to allow a user to offer an **integrated** 3-D(Three-Dimensional) image information of a building and the cost and the period of construction via the internet.

DETAILED DESCRIPTION - A **client** (100) for a user is connected to the on-line architectural design system by internet. An administration server(200) comprises modules each having **various** information of



building construction and provides the information to the **client** (200). A data server connected to the server(200) contains an architectural design DB ( **Data Base** )(216), an internal structure DB(217), a building materials DB(218), a landscape architecture DB(220) and a membership information DB(222). An administration module(202) for external structure of a building stores and controls external architectural **model** **classified** by number of layers and pyong(approximately 3.3 square meters) into the architectural design DB(216). An administration module(204) for internal structure of a building stores and controls design information related to internal structure of a building in consideration of number of layers into internal structure DB (217). A forming module(210) for external structure of a building provides the external architectural **model** stored in the architectural design DB(216) in consideration of number of layers and pyong. A control module controls each modules. A user log in the server(200) using the **client** (100) and inputs number of layers and pyong of a building to be built and **selects** an external architectural **model** and living relative fixture layout provided by the server(200). The server(200) provides 3-D design images of internal and external architectural **model** and the cost of building to the user.

pp; 1 DwgNo 1/10

Title Terms: SYSTEM; METHOD; LINE; ARCHITECTURE; DESIGN

Derwent Class: T01

International Patent Class (Main): G06F-017/50

File Segment: EPI

22/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013889914 \*\*Image available\*\*

WPI Acc No: 2001-374127/200139

XRPX Acc No: N01-273749

**Prospects likelihood determining method for purchasing product, involves scoring prospects on models built to model purchasing probability of a particular product, to produce model scores**

Patent Assignee: UNICA TECHNOLOGIES INC (UNIC-N)

Inventor: CRITES R; LEE Y

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200106405	A2	20010125	WO 2000US40345	A	20000711	200139 B
AU 200069539	A	20010205	AU 200069539	A	20000711	200139

Priority Applications (No Type Date): US 99356191 A 19990716

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200106405	A2	E	26	G06F-017/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200069539 A G06F-017/00 Based on patent WO 200106405

Abstract (Basic): WO 200106405 A2

**NOVELTY - Several prospects are scored on several models (60a-60j) which are built to model the purchasing probability of prospects on a particular product, for producing model scores for each product. The model scores are then converted into probabilities.**

**DETAILED DESCRIPTION - The purchase probabilities for each product are compared to determine which product is to be marketed to the prospects. The expected profits are compared and a set of probability estimates is returned to each prospect. INDEPENDENT CLAIMS are also**

included for the following:

- (a) Computer program product;
  - (b) Method to determine the number of prospects to contact in a marketing campaign
- USE - For determining prospects likelihood to purchase a product.
- ADVANTAGE - Allows an organization to exactly pin point what products are most likely to be purchased by a prospect, due to the probability estimates made possible by a cross-selling algorithm.
- DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of data mining software that includes cross-selling algorithms.

Models (60a-60j)

pp; 26 DwgNo 4/5

Title Terms: DETERMINE; METHOD; PURCHASE; PRODUCT; SCORE ; MODEL ; BUILD;

MODEL ; PURCHASE; PROBABILITY; PRODUCT; PRODUCE; MODEL ; SCORE

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

22/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013868780 \*\*Image available\*\*

WPI Acc No: 2001-352992/200137

XRPX Acc No: N01-256197

Prepayment score determination system for consumer mortgage loan applications, calculates prepayment score based on loan prepayment model and prepayment score generation model

Patent Assignee: MARKETSWITCH CORP (MARK-N)

Inventor: EGINTON W A; FISHMAN V; GALPERIN Y; JONES C L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6185543	B1	20010206	US 9878867	A	19980515	200137 B

Priority Applications (No Type Date): US 9878867 A 19980515

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 6185543 B1 14 G06F-017/60

Abstract (Basic): US 6185543 B1

NOVELTY - Prepayment calculation server has prepayment score generation model connected to prepayment model library database to receive loan prepayment models. Server calculates prepayment scores for each consumer mortgage loan application based on loan prepayment model and prepayment score generation model. Server further transmits scorer to several loan organization terminals via communication server and network.

DETAILED DESCRIPTION - The network is connected to several loan origination to receive transmitted consumer mortgage loan applications. Communication server is connected to the network to receive the loan applications. An application parser is connected to the communication server which splits the information into loan information and applicant information. A prepayment model library database has loan prepayment models connected to the application parser to receive the loan information. The prepayment score is calculated using the formula  $score = SIGMATTP(T)$  where T represents time and P represents prepayment. The several loan origination terminals are adapted to use prepayment scores to adjust consumer mortgage loan terminals. An INDEPENDENT CLAIM is also included for prepayment scores determining method.

USE - For consumer mortgage loan application. For mortgage financing organizations and other investors. For credit rating agencies, auditors, banking regulators, lender risk managers, depth instrument securitization, investment bankers and investors.

ADVANTAGE - By assisting lenders in their efforts to segment customers according to crucial behavior metric, waste and excess costs

are driven from the lending economy. More money is thus available, more cheaply for more people. More favorable loan terms can be made to those **consumers** to exhibit beneficial borrowing behavior that is borrowers who are not likely to prepay their loans but instead maintains their loans for a profitable durations. The dealing with stable borrower **market** results in more favorable financial environment on for all lenders, thereby mitigating risk of loss and in the normal course of all efficient **markets**, passing that financial advantage on to borrowers generally. Loan originator can more efficiently price the particular loan, further the originator can efficiently select brokers and intermediaries who will select the best borrowers. Leads to more efficient direct and indirect **marketing** investments by identifying individual **consumers** and groups of **consumers** who exhibit most beneficial borrowing behavior. Establishes standardized prepayment methodology that allows **merger** and acquisition advisers to be able to quantitatively measure the balance sheet risk in a target quantity or mortgage companies. By measuring expected prepayment behavior and scoring, improves securitization process and render it more efficient. Provides a way to make investment decisions based upon quantified debt instrument prepayment behavior risk for lending institutions in which investor might want to invest or to evaluate the relative stability of mortgage securities that are packed by individual depth instrument.

DESCRIPTION OF DRAWING(S) - The figure explains the steps involves in loan prepayment **scores**.

pp; 14 DwgNo 1/6

Title Terms: PREPAYMENT; **SCORE**; DETERMINE; SYSTEM; CONSUME; LOAN; APPLY; CALCULATE; PREPAYMENT; **SCORE**; BASED; LOAN; PREPAYMENT; **MODEL**; PREPAYMENT; **SCORE**; GENERATE; **MODEL**

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

22/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013844496 \*\*Image available\*\*

WPI Acc No: 2001-328709/200134

XRPX Acc No: N01-236557

**Trader information storing system for conducting trade activities electronically, stores adaptive trade specifications for identifying give and take items as well as constraint and objective sought by trader**

Patent Assignee: ADAPTIVE TRADE INC (ADAP-N)

Inventor: BRODSKY A; GOZHANSKY A; KARPISHPAN S; KATZ M; ZELIVINSKI S

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200131537	A2	20010503	WO 2000US29369	A	20001026	200134 B
AU 200113428	A	20010508	AU 200113428	A	20001026	200149

Priority Applications (No Type Date): US 2000695046 A 20001025; US 99161355 P 19991026

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200131537	A2	E	47	G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200113428 A G06F-017/60 Based on patent WO 200131537

Abstract (Basic): WO 200131537 A2

NOVELTY - The **database** server has a **database** of adaptive trade specification (ATS) comprising a take-item entry which identifies a item wanted by a trader in return for an item identified in give-item

entry. A constraint entry identifies a constant placed by the trader on the exchange. An object entry identifies an objective sought by the trader in the exchange.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for traders information storing method.

USE - For executing trading activities in the realm of electronic commerce .

ADVANTAGE - Match making and optimization are combined under one ATS based mechanism which allows traders to design transactions that are optimal in terms of traders objectives and which are mutually agreeable with available trade specifications. Allows various traders to achieve optimal trade transaction. The ATS model allows to describe in a precise and uniform way, trade parameters, constraints and objectives for a wide range of traders including procurement organizations, suppliers, manufacturers, re sellers , surplus sellers , trade-in sellers , stock market traders, general buyers and sellers . Provides an automated process that recommends specific transactions with other trader's ATS that are mutually agreeable with an optimizable the objective of the trader's ATS e.g. minimal price, maximal profile, etc.

DESCRIPTION OF DRAWING(S) - The figure shows the ATS based trading software system.

pp; 47 DwgNo 1/5

Title Terms: INFORMATION; STORAGE; SYSTEM; CONDUCTING; TRADE; ACTIVE; ELECTRONIC; STORAGE; ADAPT; TRADE; SPECIFICATION; IDENTIFY; ITEM; WELL; CONSTRAIN; OBJECTIVE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

22/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013652091 \*\*Image available\*\*

WPI Acc No: 2001-136303/200114

XRPX Acc No: N01-099120

Integration method for CORBA, COM and OLE objects, involves converting foreign objects into uniform object model objects by adapters and executing foreign objects as uniform objects

Patent Assignee: ORACLE CORP (ORAC-N)

Inventor: BRUMME C; DANCS F; DE GROOT M; FUNG P; LEMKE R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6134559	A	20001017	US 9867061	A	19980427	200114 B

Priority Applications (No Type Date): US 9867061 A 19980427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6134559	A		36	G06F-017/30	

Abstract (Basic): US 6134559 A

NOVELTY - Integrated object oriented system has adapters (110) to support superset of features from different foreign object system (120) with objects complying with CORBA, OLE and COM. The integrated system receives foreign objects from system (120) and converts foreign objects to objects of uniform object model (100) using adapters. Foreign objects are executed in run-time environmental without any feature loss.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method of integrating foreign objects into object oriented environment.

USE - In integrating different foreign objects like common object request broker architecture (CORBA) objects, object linking and embedding (OLE) objects, component object model (COM) objects etc and different data sources into single integrated object oriented

environment.

ADVANTAGE - Integrating different data sources into an object oriented system without requiring data sources **client** to retain specific knowledge to execute transaction in one or more data sources is achieved by converting foreign objects into uniform object model system by adapters. The adapters also support persistence of objects in data source apart from conversion.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of integrated object oriented system.

Uniform object model (100)

Adapters (110)

Foreign object system (120)

pp; 36 DwgNo 1/18

Title Terms: INTEGRATE; METHOD; OBJECT; CONVERT; FOREIGN; OBJECT; UNIFORM; OBJECT; MODEL; OBJECT; EXECUTE; FOREIGN; OBJECT; UNIFORM; OBJECT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

22/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013595042 \*\*Image available\*\*

WPI Acc No: 2001-079249/200109

XRPX Acc No: N01-060292

Data elements integrating system for world wide web application, stores Internet and electronic commerce data in database connected to user station including design database which stores logical data model

Patent Assignee: NCR CORP (NATC )

Inventor: CHIANG L; PAPIERNIAK K A; THAISZ J E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6128624	A	20001003	US 97969082	A	19971112	200109 B

Priority Applications (No Type Date): US 97969082 A 19971112

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6128624	A	38	G06F-017/30	

Abstract (Basic): US 6128624 A

NOVELTY - Integrated electronic commerce and Internet data for interrogation by service provider are stored in **database** that is connected to a user station including a design **database** . A logical data **model** (338) provides description of **database** ,formatted file library (340) providing reusable **classifications** , and user interface capable of providing query and report accesses,stored in design **database** .

DETAILED DESCRIPTION - The electronic **commerce** data is merchant transaction data recording specific purchasing transaction and the Internet data is the data collected during web browsing by user. The logical data **model** of design **database** provides description of the **database** facilitating the integration of **several different** formats of Internet and electronic **commerce** data and facilitating query and report access of the **database** . The formatted file library provides **classifications** including process characterization, **customer** descriptions, preference determinations and behavior patterns. The **classifications** are reusable for **different** technical processes and **different customer** problems. The user interface is capable of providing accesses of the design **database** . INDEPENDENT CLAIMS are also included for the following:

(a) data elements integrating method;

(b) computer program product

USE - For world wide web applications in Internet.

ADVANTAGE - Provides decision support and adds operational information for the ISP/CSP to enable improved value added services to

allow the implementation of equitable and value based pricing, to achieve better quality of service, to manage capacity and to add bill back capabilities for charge back scenarios. Provides valuable information such as decision support for proactive targeted marketing, usage and customer preferences feedback on the web application, usage information for business accesses, direct decision support access for ISP/CSP customer applications.

DESCRIPTION OF DRAWING(S) - The figure shows the interaction of components with customer environment in data elements integrating system.

Logical data model (338)

File library (340)

pp; 38 DwgNo 10/21

Title Terms: DATA; ELEMENT; INTEGRATE ; SYSTEM; WORLD; WIDE; WEB; APPLY; STORAGE; ELECTRONIC; DATA; DATABASE ; CONNECT; USER; STATION; DESIGN; DATABASE ; STORAGE; LOGIC; DATA; MODEL

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

22/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013514600 \*\*Image available\*\*

WPI Acc No: 2000-686546/200067

XRPX Acc No: N00-507597

Prediction of reaction to target concept, involves rating target concept using selected archetype and predicting subjective reaction to target concept by input of objective rating into developed mathematical model

Patent Assignee: SAUNDERS INT RICHARD (SAUN-N)

Inventor: HALL D B; STAMP J A; STORMANN C R

Number of Countries: 089 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045317	A2	20000803	WO 2000US2195	A	20000127	200067 B
AU 200033526	A	20000818	AU 200033526	A	20000127	200067

Priority Applications (No Type Date): US 99117413 P 19990127

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200045317 A2 E 37 G06F-017/60

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200033526 A G06F-017/60 Based on patent WO 200045317

Abstract (Basic): WO 200045317 A2

NOVELTY - A database of customer responses to questions on target concepts is provided. The target concepts are rated based on certain selected archetype. A mathematical model defining relation between customer's response and archetype is developed. Objective ratings of concept is generated based on archetype. Subjective reaction to target concept is predicted by input of its objective rating into developed model.

DETAILED DESCRIPTION - Subjective reaction elicits response related to consumer likeability, consumer interest, consumer purchase potential, consumer perception, consumer confidence, consumer recall, consumer expectation and voter response to political candidates. The mathematical model is generated using standard univariate, bivariate, and multivariate statistical methods, neural network, fuzzy logic, genetic algorithm, cross tabulation, t-test, ANOVA, correlation matrix, regression, factor analysis and structural equation modeling. Prediction of subjective reaction is

followed by judging relative potential success of target concept and developing and applying action criteria, based on archetype and relative potential success of target concept. Further guidance is provided to developers of target concept on how to enhance the target concept.

USE - For predicting individual or group reaction to concepts such as development of new product, political management, education, legal system, retail grocery industry or corporation etc.

ADVANTAGE - The data collection and analysis is performed with increased speed. New ideas are evaluated and forecasts are created within minutes. **Additional** intelligence which can be derived from a set of collected **customer** data allows managers to identify and validate business judgment as well as to identify emotional, motivational and aspirational archetype drivers. Significant cost savings is realized on removing **customers** component from listing process. Provides increased security in the development of new products and services by evaluating proprietary concepts without the necessity of exposing them to public.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram depicting sequence of steps in accordance with the method of simulating human response to stimulus.

pp; 37 DwgNo 1/1

Title Terms: PREDICT; REACT; TARGET; CONCEPT; RATING; TARGET; CONCEPT; SELECT; PREDICT; SUBJECT; REACT; TARGET; CONCEPT; INPUT; OBJECTIVE; RATING; DEVELOP; MATHEMATICAL; **MODEL**

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

22/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012944958 \*\*Image available\*\*

WPI Acc No: 2000-116811/200010

XRPX Acc No: N00-088427

#### **Access control management system in computer**

Patent Assignee: OZ INTERACTIVE INC (OZIN-N); KEY-TRAK INC (KEYT-N)

Inventor: MALONEY W C; PORKESSON H H

Number of Countries: 022 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9966429	A1	19991223	WO 99US13829	A	19990618	200010 B
AU 9946958	A	20000105	AU 9946958	A	19990618	200024
US 20010004235	A1	20010621	US 9899954	A	19980911	200137
			US 99392175	A	19990909	
			US 2001782070	A	20010212	
US 20010006368	A1	20010705	US 9899954	A	19980911	200139
			US 99393223	A	19990909	
			US 2001797338	A	20010301	
US 20010009397	A1	20010726	US 9899954	A	19980911	200146
			US 99393225	A	19990909	
			US 2001792987	A	20010226	

Priority Applications (No Type Date): US 9899954 A 19980619; US 9899954 P 19980911; US 99392175 A 19990909; US 2001782070 A 20010212; US 99393223 A 19990909; US 2001797338 A 20010301; US 99393225 A 19990909; US 2001792987 A 20010226

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9966429	A1	E	24	G06F-017/30	
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Designated States (National): AU CA JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE

AU 9946958	A			G06F-017/30	Based on patent WO 9966429
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US 20010004235	A1			G08B-013/14	Provisional application US 9899954
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Cont of application US 99392175

US 20010006368 A1 G08B-013/14 Provisional application US 9899954

Cont of application US 99393223

Cont of patent US 6204764

US 20010009397 A1 H04Q-001/00 Provisional application US 9899954

Cont of application US 99393225

Cont of patent US 6195005

Abstract (Basic): WO 9966429 A1

NOVELTY - Various partitionable databases are distributed in multiple servers in hierarchical manner. Each **client** access the database, by connecting with respective top level sensors. The access is controlled such that database is accessed irrespective of access condition of other **client**.

DETAILED DESCRIPTION - The link between the databases is established based on the key values stored in respective relational database. Network modifications are forwarded to the database via a distributed access control system and authenticated by servers. Database is forwarded through distributed atomic transaction interface. The database are distributed in hierarchical real time manner.

USE - For database distribution management in computer network and for ATM network, LAN, internet.

ADVANTAGE - Provision of **hierarchical** distributed database, results in **simultaneous** access by **multiple** users resulting in low access time.

DESCRIPTION OF DRAWING(S) - The figure shows the representation of a key value pair in a relational database.

pp; 24 DwgNo 2/8

Title Terms: ACCESS; CONTROL; MANAGEMENT; SYSTEM; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-017/30 ; G08B-013/14; H04Q-001/00

File Segment: EPI

22/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012924375 \*\*Image available\*\*

WPI Acc No: 2000-096211/200008

XRPX Acc No: N00-074282

**Icons-based file attribute linking method in file management system in desktop personal computer, computer network**

Patent Assignee: TULI R S (TULI-I)

Inventor: TULI R S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6003034	A	19991214	US 95442326	A	19950516	200008 B

Priority Applications (No Type Date): US 95442326 A 19950516

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6003034	A	25	G06F-017/30	

Abstract (Basic): US 6003034 A

NOVELTY - The icons representing data units are displayed. The icons to be linked are selected and the selected icons are linked to the data units. Some of displayed icons represent only the data unit, some of displayed icons do not represent other icons and some of data unit do not represent other data unit.

DETAILED DESCRIPTION - The icons are enclosed within separate group windows which represent more generalized topics about which files are related files. The group of icons can overlap each other and can be used to perform **various** data units searches as defined graphically by Venn diagram illustrating intersecting sets. INDEPENDENT CLAIMS are also included for the following:



(a) computer readable medium storing icons data unit linking program;

(b) icon data units linking system

USE - For linking file attributes in file management system in desktop personal computer, computer network.

ADVANTAGE - Existence of hard links, enables predefined chain of groups or **categories** to be linked with any file saved and hence enables more elaborate **data base** system. More complicated searches can be performed to determine how **many** items between particular price range did a **customer** purchase, and by selecting all prices with in this range, from price group window and moving them to query area and **crossing** this price group icon with particular **customer** in query area, results are produced without need to write any specific **formulas** as commonly done in spreadsheets. **Selecting** of past **customer** from available list by clicking on name, eliminates generation of errors during typing of name and saves time by eliminating need for typing name for every time. Switching between **customer** record and **order** record tables whilst data input is not necessary as all information is available in same window, hence burden of primary keys and foreign keys is eliminated.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram explaining linking of software objects to **various** files.

pp; 25 DwgNo 13/16

Title Terms: BASED; FILE; ATTRIBUTE; LINK; METHOD; FILE; MANAGEMENT; SYSTEM ; PERSON; COMPUTER; COMPUTER; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

22/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012360852 ~\*\*Image available\*\*

WPI Acc No: 1999-166959/199914

XRPX Acc No: N99-121671

**Automatic query execution plan optimizing method in relational database management system**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: COCHRANE R J; LAPIS G; PIRAHESH M H; SIDLE R S; SIMMEN D E;

TRUONG T C; URATA M S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5873075	A	19990216	US 97884832	A	19970630	199914 B

Priority Applications (No Type Date): US 97884832 A 19970630

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5873075	A		44	G06F-017/30	

Abstract (Basic): US 5873075 A

NOVELTY - Query graph (G) is reformed by separating two processes on respective ones of node pairs, to sequence execution for producing a query graph GMTI that enforces **database** integrity during table mutation. Query execution plans are generated for executing produced graph after evaluating execution cost of plan and selecting optimal query execution plan.

DETAILED DESCRIPTION - A query graph (G) for each table Teach is reformed by either restricting a data flow path between the nodes of one or more common referencing node pairs or inserting a sub-query node between the common referencing node pairs ..A poke sub-query passes data from a first node to a **second** node of one or more common referencing node pairs to ensure that the first node executes before the **second** node and produces exactly one record for consumption by the **second** node. INDEPENDENT CLAIMS are included for the following:

(a) a query optimizer system;

(b) a **database** processing system;  
(c) a computer program product for use with relational **database** processing system.

USE - In producer driver, **customer** driven, shared nothing, parallel execution RDBMS for restricting execution plans during query **merger** and optimization.

ADVANTAGE - Solves mutating table **database** integrity problem in SN-RDBMS by detecting potential mutating table integrity violations early in query graph **model** process before QGM rewrite and query execution plan optimization. Eliminates existing prohibitions on user query types in SN-RDBMS. Avoids query failure at runtime in a SN-RDBMS arising from selection of an optimal query plan containing mutating table integrity violations. Integrity is enforced by controlling **order** of relational operation without prohibiting any particular relational operation.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of flowchart showing mutating table violation prevention procedure involved in automatic query execution plan optimizing method.

Query graph (G)

pp; 44 DwgNo 5A/15

Title Terms: AUTOMATIC; QUERY; EXECUTE; PLAN; METHOD; RELATED; **DATABASE** ;  
MANAGEMENT; SYSTEM

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

22/5/12 (Item 12 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012229600 \*\*Image available\*\*  
WPI Acc No: 1999-035707/199904  
XRPX Acc No: N99-026753

**Intelligent context dependent search method for internet information retrieval - involves primary server search engine organising information stored on secondary server databases into categories that revolve around central themes and interacting with user to perform intelligent search**

Patent Assignee: COMPUTER GROUP INC (COMP-N)

Inventor: DUNCAN B; EVANS G; TELFORD R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2209265	A	19980827	CA 2209265	A	19970627	199904 B

Priority Applications (No Type Date): US 97807474 A 19970227

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CA 2209265	A	229	G06F-017/30	

Abstract (Basic): CA 2209265 A

The method involves a user activating a search engine on a remote primary server (22) through their computer workstation (20) using a viewer (30). The search engine organises the information available on the internet into **many** central themes, and defines **categories** that revolve around the themes. The **categories** can be; single; range; staticlist or dynamic list -type. The user fills out a search request and is urged by the search engine to **formulate** it from the **selections** that are available for each **category** in the **database** . The selections **combine** to produce a sharply focused search request.

USE - For intelligent searching of secondary web servers using browsers e.g. Microsoft Explorer (RTM) or Netscape Navigator (RTM).

ADVANTAGE - Does not require user to specify uniform resource locators (URL) of secondary web servers (26,28). Enables searching in specific context, with network interaction giving descriptive content

of web sites and constraints on searching. Does not have to use full text searching; allowing more efficient access to **commercial** information in other formats without having to convert to HTML. Allows secondary servers to subscribe to URL hub without having to surrender full access to information stored on them.

Dwg.2/7

Title Terms: INTELLIGENCE; CONTEXT; DEPEND; SEARCH; METHOD; INFORMATION; RETRIEVAL; PRIMARY; SERVE; SEARCH; ENGINE; ORGANISE; INFORMATION; STORAGE; SECONDARY; SERVE; **CATEGORY**; REVOLVING; CENTRAL; THEME; INTERACT; USER; PERFORMANCE; INTELLIGENCE; SEARCH

Derwent Class: T01; W01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): G06F-013/14

File Segment: EPI

22/5/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012001793 \*\*Image available\*\*

WPI Acc No: 1998-418703/199836

XRPX Acc No: N98-326433

**Block IIR processor using filter algorithm - performs parallel sum calculation of data of maximum lower order word in register and reduces frequency of sum calculation depending on order of filter**

Patent Assignee: NEC CORP (NIDE )

Inventor: KURODA I

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10171778	A	19980626	JP 96352668	A	19961213	199836 B
US 6122653	A	20000919	US 97990521	A	19971215	200048
JP 3092534	B2	20000925	JP 96352668	A	19961213	200051

Priority Applications (No Type Date): JP 96352668 A 19961213

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 10171778	A	10	G06F-017/10		
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US 6122653	A		G06F-017/10		
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JP 3092534	B2	10	G06F-017/10	Previous Publ. patent JP 10171778	
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Abstract (Basic): JP 10171778 A

The processor has three input registers that store input data of specific block size. The values of the input registers are forwarded to a shift register. The non-zero values in the co-efficient register file are forwarded to a register. A sum calculator performs parallel sum calculation of the data of the maximum lower order word in the register.

A block IIR **filter algorithm** is adopted to calculate **several** samples **simultaneously**. The calculated data are accumulated in an accumulator. The frequency of sum calculation is reduced depending on the **order** of the filter.

ADVANTAGE - Improves speed of filter calculation.

Dwg.3/3

Title Terms: BLOCK; PROCESSOR; FILTER; ALGORITHM; PERFORMANCE; PARALLEL; SUM; CALCULATE; DATA; MAXIMUM; LOWER; ORDER; WORD; REGISTER; REDUCE; FREQUENCY; SUM; CALCULATE; DEPEND; ORDER; FILTER

Derwent Class: T01; U22

International Patent Class (Main): **G06F-017/10**

International Patent Class (Additional): H03H-017/04

File Segment: EPI

22/5/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011434506      \*\*Image available\*\*

WPI Acc No: 1997-412413/199738

XRPX Acc No: N97-343606

**Rectangular difference mesh data production for computer aided engineering analysis of e.g. heat conduction, freezing, casting flow - by producing crossover mesh data directly according to conditional expression which is provided for determining integration state of simple substance based on differential mesh model data**

Patent Assignee: HONDA MOTOR CO LTD (HOND )

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9185729	A	19970715	JP 95342710	A	19951228	199738    B

Priority Applications (No Type Date): JP 95342710 A 19951228

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9185729	A	14		

Abstract (Basic): JP 9185729 A

The method involves forming a three-dimensional solid model (120), required for the intersections of three orthogonal line data (121) in an arbitrary pitch, using a computer aided design system (111). The maximum surface point data of the three-dimensional solid model is calculated. The relative position of the maximum surface point data and virtual difference mesh data with the representing point of a differential mesh data is determined.

An attribute is provided to the virtual difference mesh data based on the determined relative position . A conditional expression is provided based on a produced **differential mesh model** data of a simple substance. A **crossover** mesh data is directly produced and computed from providing the conditional expression that determines the integrated state of the simple substance used as the object of a desired analytical model.

ADVANTAGE - Eases direction production of crossover mesh data even if three-dimensional solid model has complicated shape. Enables simple data processing at high-speed. Simplifies interface of CAD system and CAE system. Reduces processing load in casting analysis.

Dwg.1/21

Title Terms: RECTANGLE; DIFFER; MESH; DATA; PRODUCE; COMPUTER; AID; ENGINEERING; ANALYSE; HEAT; CONDUCTING; FREEZE; CAST; FLOW; PRODUCE; CROSSOVER; MESH; DATA; ACCORD; CONDITION; EXPRESS; DETERMINE; INTEGRATE; STATE; SIMPLE; SUBSTANCE; BASED; DIFFERENTIAL; MESH; MODEL; DATA

Index Terms/Additional Words: CAE; CAD

Derwent Class: T01

International Patent Class (Main): G06T-017/20

International Patent Class (Additional): **G06F-017/00**

File Segment: EPI

22/5/15      (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010936310      \*\*Image available\*\*

WPI Acc No: 1996-433260/199643

Related WPI Acc No: 1998-456486

XRPX Acc No: N96-365111

**Cell placement alteration appts. for integrated circuit chip physical design automation system - comprises memory, cell transposition processor and cell selection processor which selects cells for transposition or "swapping" within each placement using genetic algorithms using greedy algorithms based on cell fitness**

Patent Assignee: LSI LOGIC CORP (LSIL-N)

Inventor: BOYLE D B; JONES E R; KOFORD J S; ROSTOKER M D; SCEPANOVIC R

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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US 5557533      A    19960917    US 94229821      A    19940419    199643    B

Priority Applications (No Type Date): US 94229821 A 19940419

Patent Details:

Patent No    Kind    Lan    Pg    Main    IPC    Filing    Notes

US 5557533      A      66    G06F-017/50

Abstract (Basic): US 5557533 A

The apparatus comprises the memory for storing a first cell **placement** as including cell locations on the chip, cells allocated to the cell locations and fitnesses of the cells respectively. The transposition processor performs a predetermined cell transposition operation on the first cell **placement** to produce a **second cell placement**, and stores the **second cell placement** in the memory. The selection processor selects cells for transposition by the transposition processor such that a probability of each cell being selected is a predetermined function of the fitness of the each cell respectively.

The selection processor sorts and **ranks** the cells in increasing **order** of fitness and **multiplies** the fitnesses by weighting factors that increase nonlinearly with cell **rank** to produce weighted fitnesses respectively. The predetermined function of the fitness is such that the probability of the each cell being selected is **linearly** proportional to the weighted fitness of the each cell respectively. The selection processor computes a weighted fitness summation for the each cell as being equal to the sum of the weighted fitness of the each cell and the weighted fitnesses of the cells having lower fitnesses than the each cell respectively. The selection processor further comprises a random number generator for generating a random number having a maximum value that is equal to a maximum weighted fitness summation for the first cell **placement**. A selector selects a cell for transposition which has a weighted fitness summation that is equal to the random number.

USE - Can be applied to optimisation problems in number of diverse areas such as logic synthesis, circuit optimisation (for minimum power etc.), software optimisation, and logistical problems such as traffic control and routing. Can also be used in financial **market** and investment analysis, currency arbitrage, weather forecasting, and nuclear analysis and maintenance of complex **databases**.

Dwg.50/71

Title Terms: CELL; **PLACE**; ALTER; APPARATUS; **INTEGRATE**; CIRCUIT; CHIP; PHYSICAL; DESIGN; AUTOMATIC; SYSTEM; COMPRISE; MEMORY; CELL; TRANSPOSE; PROCESSOR; CELL; SELECT; PROCESSOR; SELECT; CELL; TRANSPOSE; **PLACE**; GENETIC; ALGORITHM; ALGORITHM; BASED; CELL; FIT

Index Terms/Additional Words: **LOGIC**; **SYNTHESIS**; **SOFTWARE**; TRAFFIC; CONTROL; FINANCE; INVESTMENT; ANALYSIS; WEATHER; FORECASTING

Derwent Class: T01

International Patent Class (Main): **G06F-017/50**

International Patent Class (Additional): G06F-015/18

File Segment: EPI

22/5/16      (Item 16 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009393795

WPI Acc No: 1993-087262/199311

XRAM Acc No: C93-038462

**Composite prodn. having optimally short fibres - by determining critical aspect ratio for fibres by operating nodal model**

Patent Assignee: ANDERSON M P (ANDE-I); EXXON RES & ENG CO (ESSO )

Inventor: ANDERSON M P; DISMUKES J P; LING S; MONETTE L M; SROLOVITZ D J; MONETTE L M-A

Number of Countries: 010    Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 532288	A2	19930317	EP 92308169	A	19920909	199311    B
CA 2076616	A	19930310	CA 2076616	A	19920821	199321

JP 5200888	A	19930810	JP 92266483	A	19920909	199336
EP 532288	A3	19930707	EP 92308169	A	19920909	199406
EP 532288	B1	19971105	EP 92308169	A	19920909	199749
DE 69223013	E	19971211	DE 623013	A	19920909	199804
			EP 92308169	A	19920909	
US 5814403	A	19980929	US 91756719	A	19910909	199846
			US 9310619	A	19930128	
CA 2076616	C	20010918	CA 2076616	A	19920821	200157

Priority Applications (No Type Date): US 91756719 A 19910909; US 9310619 A 19930128

Cited Patents: No-SR.Pub; 5.Jnl.Ref; JP 53125447

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 532288	A2	E	20	B29C-067/14	
Designated States (Regional): BE DE FR GB IT NL SE					
CA 2076616	A			C08J-005/04	
JP 5200888	A		19	B29C-067/14	
EP 532288	A3			B29C-067/14	
EP 532288	B1	E	21	B29C-070/10	
Designated States (Regional): BE DE FR GB IT NL SE					
DE 69223013	E			B29C-070/10	Based on patent EP 532288
US 5814403	A			D02G-003/00	Cont of application US 91756719
CA 2076616	C	E		C08J-005/04	

Abstract (Basic): EP 532288 A

Fibre and matrix composite is made by operating nodal model of it incorporating notional spaced nodes representing points in notional fibre of finite aspect ratio extending in notional matrix and functions representing physical properties of the fibre and matrix as interrelations between displacements of nodes relative to adjacent nodes and strain energy including components representative of matrix material shearing stress. Model operation includes applying at least one notional deformation and using the functions to establish whether the composite would fracture and determining from the functions whether the fracture would involve fracture of the fibre or only fracture of the matrix. The operation is repeated with the model representing different length fibres until matrix only fractures for fibres of a first aspect ratio and fibre fractures for fibres of a second aspect ratio are achieved and a critical aspect ratio can be predicted. At least one real fibre and real matrix are selected based at least in part upon the results and at least one real composite formed.

USE/ADVANTAGE - Method is used to establish critical aspect ratio for fibre and matrix combination so that fibres as short as possible can be used in composite to facilitate processing without jeopardising physical properties.

i  
Dwg.1/7

Title Terms: COMPOSITE; PRODUCE; OPTIMUM; SHORT; FIBRE; DETERMINE; CRITICAL ; ASPECT; RATIO; FIBRE; OPERATE; NODE; MODEL

Derwent Class: A32; P73

International Patent Class (Main): B29C-067/14; B29C-070/10; C08J-005/04; D02G-003/00

International Patent Class (Additional): B32B-009/00; G06F-015/324; G06F-015/60; G06F-017/50

File Segment: CPI; EngPI

22/5/17 (Item 17 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004456155

WPI Acc No: 1985-283033/198546

XRPX Acc No: N85-211261

Financial information distribution system - uses hierarchic computer network to pass data to intelligent terminals which can process incoming data

Patent Assignee: MERRILL LYNCH & CO INC (MERR-N)

Inventor: HIGGINS G M

Number of Countries: 009 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
BE 902761	A	19851016	BE 902761	A	19850627	198546	B
GB 2161003	A	19860102	GB 8516417	A	19850628	198601	
DE 3521248	A	19860109	DE 3521248	A	19850613	198603	
FR 2566939	A	19860103				198608	
ZA 8504878	A	19860314				198626	
GB 2210714	A	19890614	GB 8530317	A	19850628	198924	
GB 2210714	B	19891018				198942	
GB 2161003	B	19891101				198944	
IT 1201323	B	19890127				199120	
US 5270922	A	19931214	US 84626339	A	19840629	199350	
			US 91725951	A	19910627		
DE 3521248	C2	19950511	DE 3521248	A	19850613	199523	

Priority Applications (No Type Date): US 84626339 A 19840629; US 91725951 A 19910627

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
BE 902761	A		34		
US 5270922	A	12	G06F-015/20		Cont of application US 84626339
DE 3521248	C2	13	G06F-017/60		

Abstract (Basic): BE 902761 A

The financial information system has **multiple** work stations coupled to regional network controllers which are in turn networked to a central computer. Each work station comprises a display screen; a central processor a memory and a circuit which loads the memory from the incoming data. The memory is partitioned so as to store a specified subset of the incoming data, a source of transmitted documents containing updated portfolio values, and the **status** of current transactions.

The central processor at each work station allows selection from among the received information and local processing and display of the data held in memory. A bulk memory is also incorporated to allow long term storage of the data. Facilities are provided to provide automatic price monitoring to detect and signal the **crossing** of a limit.

USE/ADVANTAGE - Remote communication of financial information with facility to automatically collect, store, and process the information

Title Terms: FINANCIAL; INFORMATION; DISTRIBUTE; SYSTEM; HIERARCHY; COMPUTER; NETWORK; PASS; DATA; INTELLIGENCE; TERMINAL; CAN; PROCESS; INCOMING; DATA

Derwent Class: T01; X25

International Patent Class (Main): G06F-015/20; **G06F-017/60**

International Patent Class (Additional): G06F-003/15; G06F-007/02;

G06F-015/16; G06G-007/52; G06K-000/00; H04N-000/00

File Segment: EPI

22/5/18 (Item 18 from file: 347)

DIALOG(R) File 347:JAPIO

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06890454 \*\*Image available\*\*

DEVICE FOR MAKING DATA THREE-DIMENSIONAL AND COMPUTER READABLE RECORDING MEDIUM RECORDING PROGRAM FOR MAKING DATA THREE-DIMENSIONAL

PUB. NO.: 2001-117963 [JP 2001117963 A]

PUBLISHED: April 27, 2001 (20010427)

INVENTOR(s): HAYATA SHIGEO  
OZAWA NANAHIRO  
KIUCHI MORIO

APPLICANT(s): GUNZE LTD

APPL. NO.: 11-298819 [JP 99298819]

FILED: October 20, 1999 (19991020)

INTL CLASS: G06F-017/50 ; G06T-017/00; G06T-007/00; A41H-001/02;  
A41H-043/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a device for making data three-dimensional(3D), with which 3D form data showing a desired 3D form such as the physique of a client can be easily prepared when 3D form data showing a standard 3D form can be acquired.

SOLUTION: At the time of preparing 3D form data, model data showing a 3D form to become a standard are stored, the dimension of the model data is measured from respective plural azimuths, and the ratio of the measured dimension for each azimuth and the dimension of a subject is calculated for each azimuth. According to the calculated ratio for each azimuth, the plural cross sections of the model data are expanded or reduced for each azimuth and 3D form data having the expanded or reduced cross sections are generated as the 3D form data of an object.

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22/5/19 (Item 19 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06577612 \*\*Image available\*\*  
DEVICE AND METHOD FOR SIMULATION AND PROGRAM RECORDING MEDIUM

PUB. NO.: 2000-163403 [JP 2000163403 A]  
PUBLISHED: June 16, 2000 (20000616)  
INVENTOR(s): HONMA KATSUMI  
MUKAI MAKOTO  
TANAKA YOSHIRO  
APPLICANT(s): FUJITSU LTD  
APPL. NO.: 10-340906 [JP 98340906]  
FILED: December 01, 1998 (19981201)  
INTL CLASS: G06F-017/12 ; G06F-017/50 ; G01R-029/08

ABSTRACT

PROBLEM TO BE SOLVED: To perform a simulation process fast even when a current flowing to electronic equipment is simulated by solving simultaneous linear equations defined according to an analytic frequency are solved.

SOLUTION: A selecting means 14 selects one analytic frequency from each analytic frequency area divided by a dividing means 13. Then a 1st analyzing means 15 regards the selected analytic frequency as an object to be analyzed and solves simultaneous linear equations according to a direct method while decomposing the coefficient matrix of the simultaneous linear equations into a prescribed format. A 2nd analyzing means 16 select analytic frequencies in the increasing order and decreasing order from, e.g. the analytic frequency, selected by the selecting means 14, as an origin out of the analytic frequency areas divided by the dividing means 13, regards the selected analytic frequency as the object to be analyzed, and deforms the simultaneous linear equations by using the coefficient matrix divided by the 1st analyzing means 15, thereby solving the deformed simultaneous linear equations according to a iteration.

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22/5/20 (Item 20 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06425480 \*\*Image available\*\*  
METHOD AND SYSTEM FOR MANAGING ANALYTICAL RESOURCE IN ANALYTICAL PROCESSING SYSTEM



PUB. NO.: 2000-011043 [JP 2000011043 A]  
PUBLISHED: January 14, 2000 (20000114)  
INVENTOR(s): TERANISHI MAOKO  
APPLICANT(s): PFU LTD  
APPL. NO.: 10-178868 [JP 98178868]  
FILED: June 25, 1998 (19980625)  
INTL CLASS: G06F-017/60

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an analytical resource sorting function capable of efficiently and **uniterily** managing generated analytical resources by utilizing **hierarchical** structure and considering the **hierarchical** structure in an analytical processing system.

SOLUTION: A server 10 is provided with a **database** 10a and an analytical format 10b and a user executes **various** analytical operation based on the data stored in the **database** 10a and analytical resources ( **categories** being analytical formats and its set). For the **hierarchical** management of analytical resources, the server 10 is provided with tree information 10c corresponding to respective analytical resources and a means 10d (access function) for sorting the tree information 10c and reporting the sorted result to a **client** 20. When tree information request is sent from a **client** 200d to the server 10, the server 10 sorts the tree information by using a tree information retrieving area and sent. the sorted tree information to the **client** 20 in the specified **order** .

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22/5/21 (Item 21 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06043198 \*\*Image available\*\*  
THREE-DIMENSIONAL MODEL DESIGN REVIEW DEVICE

PUB. NO.: 10-326298 [JP 10326298 A]  
PUBLISHED: December 08, 1998 (19981208)  
INVENTOR(s): UENO MASAYUKI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 09-135593 [JP 97135593]  
FILED: May 26, 1997 (19970526)  
INTL CLASS: [6] G06F-017/50 ; G06T-017/40  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.9 (INFORMATION PROCESSING -- Other)  
JAPIO KEYWORD:R060 (MACHINERY -- Automatic Design)

#### ABSTRACT

PROBLEM TO BE SOLVED: To arrange a layer in a three-dimensional space, to hold **position** relation between a three-dimensional **model** and the layer, to calculate a **cross** - section between the layer and the three-dimensional **model** , to fetch a **cross** -section shape as a **second** -dimensional graphic on the layer, to manage plural layers on the three-dimensional space, and to manage the second-dimensional graphic and character elements on the layer and the three-dimensional model as one file.

SOLUTION: A three-dimensional model, second-dimensional graphic, and character elements are managed by a layer managing part 28, and plural layers are managed by a layer list managing part 30. The layer is used as a display area by a layer display part 36, the shape processing of the three-dimensional model is operated by a layer tool part 32, the shape processing result is layer- managed by a layer include part 34, and the written of a file is controlled by a data maintaining part 16

22/5/22 (Item 22 from file: 347)  
DIALOG(R)File 347:JAPIO

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05915607      \*\*Image available\*\*

METHOD AND DEVICE FOR LOGIC SIMULATION, AND STORAGE MEDIUM STORING LOGIC SIMULATION PROGRAM

PUB. NO.: 10-198707 [JP 10198707 A]  
PUBLISHED: July 31, 1998 (19980731)  
INVENTOR(s): SHOJI MINORU  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 09-265852 [JP 97265852]  
FILED: September 30, 1997 (19970930)  
INTL CLASS: [6] G06F-017/50  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R138 (APPLIED ELECTRONICS -- Vertical Magnetic & Photomagnetic Recording)

#### ABSTRACT

PROBLEM TO BE SOLVED: To attain shortening of the time/acceleration of logic simulation of circuit by higher order level description, by successively processing the descriptions of processing at the same time when parallelly executing the logic simulation of circuit by the higher order level description through plural processors.

SOLUTION: This device is provided with a logic simulator 11 for simulating the circuit based on the higher **order** level description through plural processors, simultaneous execution part extracting means 12 for extracting simultaneously executable parts by extracting the dependent relation of data from the sequential processing description in the high- **order** level description, and dividing means 13 for dividing the simulation model of circuit into **plural** independent simulation **models** according to the **simultaneously** executable parts extracted by this **simultaneous** executable part extracting means 12 and the **plural** processors at the logic simulator 11 **simultaneously** execute the simulation concerning the **plural** simulation **models** divided by the dividing means 13.

22/5/23      (Item 23 from file: 347)

DIALOG(R) File 347:JAPIO

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05265954      \*\*Image available\*\*

CROSSTALK SIMULATION METHOD

PUB. NO.: 08-221454 [JP 8221454 A]  
PUBLISHED: August 30, 1996 (19960830)  
INVENTOR(s): IZUMI MASAO  
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 07-050461 [JP 9550461]  
FILED: February 15, 1995 (19950215)  
INTL CLASS: [6] G06F-017/50  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 42.1 (ELECTRONICS -- Electronic Components)

#### ABSTRACT

PURPOSE: To fast carry out a crosstalk simulation with proper accuracy taking the structure of a printed board into consideration when this board is designed.

CONSTITUTION: A part 1A serving as an analyzing object of a wiring pattern 1 is approximated as a double parallel line standard board model, for example, and the coupling coefficient of the board model is calculated based on a coupling coefficient table 4. The coupling coefficient is corrected based on a change **rate** table 6 where the difference of board structures is noticed so that the error caused by the board structure is eliminated. The crosstalk noise voltage due to the double parallel line

standard board model is calculated from the obtained effective coupling coefficient. If the analyzing object part 1A is equal to a pattern including plural models combined together, the sum total of the crosstalk noise voltage calculated individually is calculated. It is displayed as a designing error when the sum total of the crosstalk noise voltage exceeds its limit value. Such a simulation can be fast processed in comparison with an arithmetic processing that is carried out by an electromagnetic simulator.

22/5/24 (Item 24 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04705809

METHOD FOR INDICATING DESIGN IN SEMI- ORDER -MADE SUIT OF CLOTHING

PUB. NO.: 07-026409 [JP 7026409 A]  
PUBLISHED: January 27, 1995 (19950127)  
INVENTOR(s): IYODA NOBUO  
ISHII MASAYORI  
APPLICANT(s): ONWAADE KASHIYAMA KK [365147] (A Japanese Company or Corporation), JP (Japan)  
DAIYAMONDO COMPUTER SERVICE KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 05-105066 [JP 93105066]  
FILED: April 07, 1993 (19930407)  
INTL CLASS: [6] A41H-043/00; G06F-017/50  
JAPIO CLASS: 30.3 (MISCELLANEOUS GOODS -- Clothing & Personal Belongings);  
45.4 (INFORMATION PROCESSING -- Computer Applications)

#### ABSTRACT

PURPOSE: To make a customer readily determine which design is selected finally and properly by visualizing an order of a customer, letting the final completion shape recognizable with an eye in receiving semi- ordered -made suit of clothing.

CONSTITUTION: Plural brands, one or plural models corresponding to the brands, their shapes and brands 3, plural variations of each detail corresponding to the models and the models are memorized in a computer. The plural brands and models are simultaneously or successively indicated in a display of the computer as a selective picture images and shapes corresponding to the selected brands and models are shown in the display. Variations of a detail corresponding to the selected brands and models are manifested as selective picture images in the display and the shapes of the models shown according to the variations of the selected detail are expressed in a state of changed details on the display.

Set	Items	Description
S1	70	AU=(GORENSTEIN A? OR GORENSTEIN, A?)
S2	152157	(STRATEG? OR MODEL? OR FORMULA? OR ALGORITHM? OR FORMULA? - OR TECHNIQUE?) (5N) (FILTER? OR PROFIL? OR GROUP? OR TARGET? OR SELECT? OR ALLOCAT? OR TRIGGER?)
S3	2784426	LINEAR? OR MODEL? OR HIERARCHIC? OR NONHIERARCH? OR ANOVA? OR REGRESS? OR LADI OR DISCRIMINAN() ANALYS? OR TREE() INDUCT? - OR CHAID OR THAID
S4	239210	DATABASE? OR DATA() (BASE? OR BANK? OR FILE? OR MINE? OR MI- NING) OR DATAMIN? OR DATAFILE?
S5	3048041	COMBINE? OR MERG? OR MINGLE? OR UNITE? OR MERGE? OR SIMULT- ANE? OR CROSS? OR COMPOSIT? OR BLENDED OR INTEGRATE?
S6	4104755	MULTIPL? OR SEVERAL? OR MANY OR PLURAL? OR ADDITIONAL? OR - VARIOUS? OR DIFFER? OR 2ND OR SECOND OR ADDITIONAL? OR NEXT?
S7	3047466	SCORE? OR RANK? OR RATE? OR ORDER? OR STATUS? OR CATEGOR? - OR PLACE? OR CLASSIF? OR POSITION?
S8	451020	CUSTOMER? OR SHOPPER? OR CONSUMER? OR CLIENT? OR BUYER? OR TARGET(2N) MARKET?
S9	0	S1 AND S2
S10	7619	(S2 OR S3) AND S4 AND S5 AND S6
S11	157	S7 AND S8 AND S10
S12	155	RD (unique items)
S13	155	S12 NOT PY>2001
S14	19783	S5(3N) S6(5N) (S2 OR S3)
S15	7	S14 AND S13
S16	1408	(S2 OR S3) (S) S4 (S) S5 (S) S6 AND S7
S17	222	(S2 OR S3) (S) S4 (S) S5 (S) S6 AND S8
S18	60	S16 AND (S8 OR PATRON?)
S19	63	S15 OR S18
S20	63	RD (unique items)
S21	17	S20 AND (MARKET? OR SALES? OR SELL? OR RETAIL? OR ADVERT? - OR AD OR PROMOT?)
S22	313151	S6(5N) S7
S23	9	S20 AND S22
S24	22	S21 OR S23
S25	22	RD (unique items)
S26	22	S25 NOT PY>2001
S27	22	S26 NOT PD>20010123
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27/5/1 (Item 1 from file: 35)  
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01617599 ORDER NO: AAD98-15029  
**CREATING AND CLAIMING VALUE IN COOPERATIVE INTER-FIRM RELATIONSHIPS: THEORY AND EVIDENCE (TRANSACTION COST, VALUE CREATION)**  
Author: GHOSH, MRINAL  
Degree: PH.D.  
Year: 1997  
Corporate Source/Institution: UNIVERSITY OF MINNESOTA (0130)  
Adviser: GEORGE JOHN  
Source: VOLUME 58/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4357. 276 PAGES  
Descriptors: BUSINESS ADMINISTRATION, **MARKETING** ; ECONOMICS,  
COMMERCE-BUSINESS ; BUSINESS ADMINISTRATION, MANAGEMENT  
Descriptor Codes: 0338; 0505; 0454

The use of bilateral coordination mechanisms like industrial alliances and other forms of close, cooperative relationships between **buyers** and **sellers** have become increasingly popular because such relationships hold the potential for generating benefits. Previous research, based on institutional economic theories like transaction cost analysis, have aided in the design of such **marketing** mechanisms for creating end- **customer** value. Despite this progress, prior research has been unable to prescribe firm-specific solutions for the design and exact nature of such cooperative exchange mechanisms.

In this dissertation, we develop an integrated theoretical framework that expands on previous models and looks at the value creation mechanism from a particular firm's self-interested point-of-view. Specifically, we expand the transaction cost theory by taking into consideration the influence of firm-specific strengths and weaknesses on the norms-based and contract-based structure of cooperative relationships.

The refutable hypotheses derived from the conceptual **model** are empirically tested using **cross** -sectional survey **data** , **based** on the administration of a mail questionnaire to key informants within a national sample of industrial **buyers** and their suppliers. These substantive hypotheses are tested using techniques like **multiple regression** analysis and structural equation **models** .

We find strong support in the **buyer** sample for the proposed conceptual model. We find that buying firms with strong **positions** in their **customer markets** opt for less flexible supplier-side ties to safeguard the benefits accruing from their **customer markets** from being dissipated away by a potentially opportunistic supplier than do buying firms with weaker **positions** . These firms also opt for "hard" contractual safeguards like fixed prices and fixed designs than buying firms with weaker **customer** -side **positions** . We also found strong evidence for the differences in the informational properties of the cost reducing benefits versus the end-product enhancing benefits created by supplier-side cooperation. Cost reducing benefits are easier to observe and hence more readily contractible than are end-product enhancing benefits. The evidence for the proposed model is very limited in the supplier sample.

Finally, we discuss the implications for further theory development as well as for managerial practice.

27/5/2 (Item 2 from file: 35)  
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01588010 ORDER NO: AAD97-36779  
**MULTIPLE ATTRIBUTE DECISION MAKING APPLIED TO PART FAMILY FORMATION FOR STATISTICAL PROCESS CONTROL IN LOW VOLUME MANUFACTURING**  
Author: LIN, SHIH-YEN  
Degree: PH.D.  
Year: 1997  
Corporate Source/Institution: KANSAS STATE UNIVERSITY (0100)  
Source: VOLUME 58/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

Descriptors: ENGINEERING, INDUSTRIAL ; STATISTICS ; BUSINESS

ADMINISTRATION, MANAGEMENT

Descriptor Codes: 0546; 0463; 0454

To remain competitive in the global **marketplace** and meet **customer** demands for high quality and low cost products, industries have been forced to shorten product life cycles and shift manufacturing practices toward low volume, multi-product productions. As a result, modern automated manufacturing systems have adopted a small production run strategy in **order** to adapt themselves to the current **market** movement. Modern automated manufacturing systems following the Just-In-Time (JIT) and flexible manufacturing systems (FMS) concepts are generally characterized by high varieties of product mixes with small batch sizes. These kinds of production systems present challenging problems for implementing statistical process control (SPC)--often called low volume SPC or short run SPC. It is difficult to apply traditional control charts efficiently and effectively in these environments due to the lack of data from short production runs.

This research attempts to develop a multicriteria part family formation (MPFF) method and an algorithm for implementing low volume SPC. Forming part families, which increases the number of samples, can overcome the obstacles for implementing SPC in low volume productions. The objective is achieved by discovering average run length (ARL) values for **various** mean shifts and ratios of standard deviations. Type I and II errors of part family X control charts can be **modeled** as mixtures of part types from **different** probability distributions. Therefore, analytic ARL values can be explored by applying mixed probability distributions. Furthermore, **multiple** attribute decision making (MADM) approaches are applied to help obtain a satisfactory ratio of standard deviations tolerated within a part family. Consequently, type I and II errors of part family X control charts are considered **simultaneously**. It was observed that ranges of satisfactory ratios of standard deviations could be allowed within part families. Recognizing the risks involved, operators/engineers may apply multicriteria part family control charts to monitor parts passing through the same manufacturing processes in low volume environments. Finally, a comprehensive algorithm is proposed to facilitate the implementation of SPC techniques in low volume environments. The procedure based on the MPFF approach provides a method to collect sufficient data for making decisions useful to low volume SPC and maintaining **databases** based on part types, part families, and feedback information from part family control charts.

27/5/3 (Item 3 from file: 35)

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01572286 ORDER NO: AAD97-27637

**FACTORS INFLUENCING DIAGNOSIS OF ETHNIC MINORITY INPATIENTS IN PUBLIC FACILITIES**

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Degree: PH.D.

Year: 1997

Corporate Source/Institution: CALIFORNIA SCHOOL OF PROFESSIONAL  
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Chairperson: HALFORD H. FAIRCHILD

Source: VOLUME 58/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1522. 284 PAGESDescriptors: PSYCHOLOGY, CLINICAL ; SOCIOLOGY, ETHNIC AND RACIAL STUDIES  
; HEALTH SCIENCES, MENTAL HEALTH ; HEALTH SCIENCES, HEALTH  
CARE MANAGEMENT

Descriptor Codes: 0622; 0631; 0347; 0769

The study was conducted in two stages. The major focus of the first study was to determine whether there is a **difference** in diagnosis by ethnicity among an urban inpatient population, as a function of age, gender, legal **status**, marital **status**, primary language, English fluency, and education. The focus of the **second** study was designed to

determine whether diagnostic **differences** could be accounted for by the ethnicity of the diagnostician.

The primary analyses were conducted utilizing the Los Angeles County Management Information System (MIS) **database** for 42,265 **client** /patient records. This study examined the county's total caseload of diverse urban gender-ethnic inpatient and outpatient groups across a one-year period from July 1, 1993 through June 30, 1994, to identify which demographic variables predicted outcome of a certain diagnostic **category** . Secondary analyses were conducted using 528 anonymous **client** /patient records to determine whether **differences** existed in terms of the diagnoses given by diagnosticians of **various** ethnicities.

A **simultaneous** logistic **regression** analysis was utilized to analyze demographic variables as predictors for inpatient diagnoses. A chi-square analysis examined **differences** in diagnoses given by diagnosticians of **various** ethnicities.

It was found in the primary study that **different** demographic variables for **various** ethnic/racial groups predicted diagnostic **categories** in an inpatient urban population. Significant **differences** were found among Hispanic, White, and Black inpatients in the probability that **various** demographic variables predicted diagnoses across ethnic/racial groups. **Regression** analyses revealed that when patient **status** was not controlled, gender, education, legal **status** and marital **status** (never married and now married) predicted diagnostic **category** . Demographic variables significant in predicting diagnostic **category** for Hispanic inpatients were marital **status** (never married), gender, legal **status** , and language. For White inpatients, legal **status** and marital **status** (never married/now married) predicted diagnostic **category** . Analyses identifying diagnostic **category** only for Black inpatients was legal **status** . Secondary analyses examining diagnoses given by diagnosticians of **various** ethnicities revealed that the race/ethnicity of the clinician was related to the diagnoses received by **different** ethnic groups. Hispanic outpatients received higher **rates** of major depression when diagnosed by Hispanic clinicians. White outpatients were diagnosed more frequently with mood disorders by Hispanic clinicians. Black outpatients were diagnosed more frequently with schizophrenia by White clinicians.

Ethnic **differences** for demographic predictor variables among Hispanic, White, and Black inpatients were significant in this Los Angeles County inpatient population. Significant **differences** were found for diagnoses given by diagnosticians of **various** ethnicities. Further research involving primary data collection among large and diverse samples of ethnic individuals is needed to fully examine the effects of racial, cultural and socioeconomic **differences** in the diagnostic process.

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01459785 ORDER NO: AADAA-I9602999  
**EXPLORING THE INFORMATION AND TECHNOLOGY NEEDS IN AN AGILE MANUFACTURING ENVIRONMENT**

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Degree: PH.D.  
Year: 1995  
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Co-supervisors: WARREN J. BOE; JOLINE MORRISON  
Source: VOLUME 56/10-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4034. 277 PAGES  
Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT ; OPERATIONS RESEARCH ;  
ENGINEERING, INDUSTRIAL  
Descriptor Codes: 0454; 0796; 0546

The purpose of this study is to explore the information technology required to support designers in an Agile Manufacturing environment by joining academic and practitioner perspectives. A case study initially determines the information technology needs. A survey is then used to generalize the findings to other organizational environments.

An object-oriented data model, and agile manufacturing and virtual company tenets have been developed as a result of the case study. A hierarchy showing different levels of agile manufacturing tenets was also developed based on the case study and survey results. The levels include: strategic goals (global markets, customer focus, focus on reduced cost, high quality, and custom parts, and greater speed to market for new products), enabling technologies (JIT manufacturing systems, integrated databases, and collaborative environments), and enabling organizational structures (empowered employees, self-managed teams, flexible flattened management, enterprise integration, and virtual companies) and processes (total product life cycle, concurrent engineering, rapid prototyping, and intensive collaboration). The case study observations indicated that while putting the goals and technology infrastructure in place is relatively straightforward, it is more difficult to attain the new organizational structures and processes. While managers were not reluctant to relinquish authority, non-managerial personnel were reluctant to assume new responsibilities. Subjects felt agile manufacturing is a fad and will soon pass or be replaced by another management strategy. Employees often revert to a management or work style comfortable to them when they are under pressure to meet a deadline. Until the employees of corporations see positive results in their work using the agile manufacturing paradigm, they will continue to be skeptical of the benefits offered them by project management by teams, multi-user software, and graphically dispersed design teams which offer them the opportunity to gain information from "experts" on specific subjects by including the "experts" as a team member. Ultimately, a corporation's culture will affect the success of the agile manufacturing paradigm in a corporation.

27/5/5 (Item 5 from file: 35)

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01225251 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

A MARKETING MIX MODEL DEVELOPED FROM SINGLE SOURCE DATA: A SEMIPARAMETRIC APPROACH

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Year: 1991

Corporate Source/Institution: MASSACHUSETTS INSTITUTE OF TECHNOLOGY (0753)

Supervisor: JOHN D. C. LITTLE

Source: VOLUME 53/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 1044.

Descriptors: OPERATIONS RESEARCH; BUSINESS ADMINISTRATION, MARKETING  
Descriptor Codes: 0796; 0338

Recent advances in information technology have made available large single source databases which contain household purchase and shopping trip records collected by UPC scanners and advertising exposures by TV meters. Such databases permit analyses on a household level and have opened up a whole new direction in marketing. The issues of interest cover a wide range from brand choice, purchase quantities, and interpurchase timing to behavioral theories of price, advertising, and promotion response, as well as repeat purchasing. The theme of this dissertation throughout is how to obtain the most use out of such enormous amounts of data.

Taking advantage of the data size, Part I approaches modeling from a different angle by discarding the parametric statistical models and using empirical joint densities of relevant variables. The method of nonparametric density estimation (NDE) is compared with multinomial logit model (MNL)--a popular parametric method in consumer brand choice. While the empirical results of NDE show promise, the method requires an enormous amount of data, even beyond the scope of scanner data. This sets practical limitations on the approach.

This conclusion leads to Part II, where a middle approach between parametric and nonparametric methods is pursued. A semiparametric utility residual method (URM) is proposed that retains the assumption of stochastic

*Final Text*



utility maximization and the extreme value distribution of MNL while relaxing the **linear** utility function by using additive one dimensional nonparametric functions of explanatory variables. Part II conducts an extensive simulation study to investigate the operational characteristics of URM, and then applies the method of two actual scanner **databases** to illustrate its power.

Part III focuses on **category** purchase incidence in **order** to pursue household level analyses of **sales** in addition to brand choice and share as considered in Part I and II. The **model** is based on a nested logit driven by shopping trips, and URM is employed for graphical diagnostics to infer appropriate parametric utility transformations. The URM procedure is found to be quite useful in identifying influential points, outliers, and heterogeneous segments.

Finally, Part IV adds a Poisson **advertising** exposure **model** to the nested logit **marketing** mix **model** calibrated in Part III. The exposure **model** computes a household **advertising** stock variable that is an input of the **marketing** mix **model**. This is done by converting GRPs by week and daypart to household adstocks, taking into account household media habits. The **combined** **model** permits a simulation of **various** **ad** scenarios to evaluate their **sales** and share implications. (Copies available exclusively from MIT Libraries, Rm. 14-0551, Cambridge, MA 02139-4307. Ph. 617-253-5668; Fax 617-253-1690.)

27/5/6 (Item 6 from file: 35)  
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1038272 ORDER NO: AAD88-26209  
**INTERACTIVE MARKETING DECISION SYSTEM FOR A HIGHLY DIFFERENTIATED PRODUCT IN A GROWING MARKET**

Author: PARK, CHULHO

Degree: PH.D.

Year: 1988

Corporate Source/Institution: STANFORD UNIVERSITY (0212)

Source: VOLUME 49/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3432. 195 PAGES

Descriptors: BUSINESS ADMINISTRATION, **MARKETING**

Descriptor Codes: 0338

The purpose of this dissertation is to build an interactive **marketing** decision system (IMDS) to assist a **marketing** manager in developing **marketing** strategies including pricing, product quality assessment, and **marketing** investment choices. The IMDS consists of six subsystems--competitive scenario, **marketing** **model**, strategy analysis, strategy display, process validation, and **database**. The **marketing** **model** has three hierarchical submodels--market research, market forecast, and market response. Each submodel has several modules. The market research **model** consists of consumer behavior analysis, competitor analysis, and cost analysis. The market forecast **model** consists of industry demand forecasting, market share estimation, and product demand forecasting. The market response **model** consists of competitor response analysis, **market** **positioning** analysis, and profit analysis. The strategy analysis has five modules--a strategy generation module, three strategy evaluation modules (profit analysis, market share analysis, and **market** **positioning** analysis), and a **strategy** **selection** module. The structure of a module consists of assumptions and rules, input and output variables, and mathematical equations and decision process. The IMDS has three types of process validation modules which involve not only estimation and forecasting but also subjective judgment and heuristic rules, and can be used to guide the development of the decision system. The modular design and internal process validation features of the IMDS allow relatively easy modification of the **modeling**, analysis, and structure of the system. These allow us to use the IMDS to develop appropriate **marketing** strategies to compete in a rapidly changing competitive environment. The new **modeling** concepts allow us to **integrate** **modeling** analysis into the whole process of **model** design and development.

The IMDS does not involve maximization of a **marketing** objective

function, rather, it searches for **marketing** strategies that satisfy the **marketing** goals and preferences of the **marketing** manager in a dynamic competitive environment. The IMDS can be used to develop a **marketing** mix strategy, a **market** **positioning** analysis, a **market** segmentation analysis, and a research and development program for a new product assessment. And it can be used as a part of a larger system, for example, some parts of the IMDS models are used in the Stanford Integrated Manufacturing Enterprise Management System (SIMEMS) for a corporate planning. (Abstract shortened with permission of author.)

27/5/7 (Item 7 from file: 35)  
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0980644 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.  
**COMPETITION IN DEVELOPING MARKETS : THE IMPACT OF ORDER OF ENTRY**

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Year: 1987  
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Source: VOLUME 48/12-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3147.  
Descriptors: BUSINESS ADMINISTRATION, GENERAL  
Descriptor Codes: 0310

This study investigates the relationship between **order** of **market** entry and performance, and the way in which this relationship is moderated by other dimensions of a business unit's structure and strategy. **Order** of entry is defined to include three **categories**, namely, pioneers, early followers and late entrants. Other dimensions of structure and strategy examined are: the relationship of a business to its parent firm, its entry strategy (dimensions other than **order** of entry), and its ongoing competitive strategy.

A population ecology **model** borrowed from organization theory provides the theoretical framework. Using this **model**, two sets of hypotheses are developed, one of which is descriptive and the other explanatory. These hypotheses are tested on the PIMS start-up **data base** and are **cross**-validated on a sample of "adolescent" businesses from the main PIMS **data base**. The data analysis is divided into two stages; cluster analysis and discriminant analysis are used to test the descriptive hypotheses, while analysis of variance and **multiple regression** are used to test the performance hypotheses.

The results of these analyses strongly support the main hypotheses. The three entry **categories** display significant **differences** on most of the dimensions examined, and in sum, these differences amount to substantially different strategic profiles. Furthermore, these distinct profiles exhibit significant variations in **market** share and profitability, which are stable over time and across industries.

These results lead to the conclusion that the types of competitive advantage required for a successful **market** entry vary according to the point of entry. In particular, a pioneering strategy produces the highest payoff when combined with a broad product line, a large entry scale, high product quality, heavy **promotional** support and a low price. Early followers, in contrast, rely for their success on large scale coupled with low costs, allowing them to "leap frog" the **market** by offering a lower price than incumbent competitors. Finally, late entrants can be quite successful if they follow a segmentation strategy, supported by a tailor-made product and a high level of **customer** services.

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891732 ORDER NO: AAD85-16970  
**TENURE CHOICE AND MOBILITY DECISION: CONDITIONAL LOGIT APPROACH**  
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Degree: PH.D.  
Year: 1985  
Corporate Source/Institution: CORNELL UNIVERSITY (0058)  
Source: VOLUME 46/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 2099. 170 PAGES  
Descriptors: URBAN AND REGIONAL PLANNING  
Descriptor Codes: 0999

This study employs the conditional probability **model** to estimate the effects of independent variables on **simultaneously** determined tenure choice and mobility decisions. Households are divided into six **categories**: own-stay-own, own-move-own, own-move-rent, rent-stay-rent, rent-move-rent, and rent-move-own. Each **category** has a **different** equation based on budget constraints. Individual household **data** based on the survey conducted in July, 1982 by the Korean Government are used to estimate the effects of the independent variable through the use of a logit **model**, and provide predictions of the probability of obtaining each alternative in the tenure choice and mobility decision after an undesirable change in an independent variable. By interpreting these probabilities, the effect of a broad range of public policies on the decision of families between homeownership and residential mobility can be predicted.

The theoretical portion of the thesis is based on the classical model of the utility-maximizing economic **consumer** wherein an indirect utility function, derived from the utility function, is applied to the conditional logit model to obtain maximum likelihood estimates of the parameters.

Particular attention is given to the significance of conditional choice effects and multi-choice effects among the independent variables. In empirical analysis it was found that all the coefficients estimated are most highly significant on the dependent variables. Household characteristics, which are the demographic configuration of the household, are not important determinants of homeownership decisions but nevertheless affect such decisions. Income and wealth are major determinants of homeownership. The demographic configuration of the household is a major determinant of residential mobility, but income and wealth affect such decision-making as well. Income subsidy has a larger effect than other subsidies in **promoting** homeownership.

It was also discovered that the effect of permanent income is a better indicator than current income in predicting homeownership and in making the decision of tenure-mobility. Likewise, the effect of permanent income on older families is stronger compared to other families. Mobility decreases as the duration of marriage increases and families with more assets are more likely to be homeowners.

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834888 ORDER NO: AAD84-04396

**THE EFFECT OF PRICE PROMOTION ON COUPON REDEMPTION AND BRAND CHOICE**

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Degree: D.B.A.  
Year: 1983  
Corporate Source/Institution: HARVARD UNIVERSITY (0084)  
Source: VOLUME 44/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3477. 634 PAGES  
Descriptors: BUSINESS ADMINISTRATION, **MARKETING**  
Descriptor Codes: 0338

**Marketers** currently spend more on **sales promotion** than **advertising**, yet the effectiveness of **promotion** has been largely unanalyzed. Effectiveness is a particular concern in an environment of **promotion "clutter"**--where a large volume of **simultaneous** events confront **consumers**. This research analyzes **consumer** responses to price **promotions** (newspaper **advertising**, price-off, and coupons) focusing on **several** aspects of clutter: the interaction between **multiple** forms of

promotion in existence at one time for one brand, competition among promotions for several brands, and consumer segmentation by type of promotion. The research involves an analysis of a scanner panel data base for two product categories. There are three types of analysis: segmentation, modelling the coupon redemption decision for an individual purchase, and modelling the brand choice decision. The study concludes that consumers can be segmented by type of deal responded to and that such segmentation is consistent with a promotion learning hypothesis in which consumers become increasingly price sensitive and less brand loyal. However, the price promotions studied have only a minor effect on brand choice both for the brand itself and as competitive effects between brands. For most brands, promotions do not draw a significant number of consumers from competing brands, with the exception that coupons redeemed for one brand do appear to decrease redemptions on other brands. In redeeming coupons, consumers display several alternative types of behavior patterns: primacy (the first promotion encountered dominates subsequent promotions), no change (promotion does not alter pre-existing shopping patterns), equalization (coupons are used when prices are higher), and interaction (simultaneous promotions interact as reminders or as a net price decision rule). Given many limitations on generalizability for the data base, major implications for managers are that promotion should be downplayed in brand strategy. Simultaneous events do not appear to be advisable, and most brands do not have to respond to competitive offers. Differences in promotion effects by brand, category, and store are noted and tentatively explained by brand market share, and by product or store use of promotion.

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690251 ORDER NO: AAD80-17753  
THE IMPLICATIONS OF DECREASING BLOCK PRICING FOR INDIVIDUAL DEMAND  
FUNCTIONS: AN EMPIRICAL APPROACH  
Author: WADE, STEVEN HOWARD  
Degree: PH.D.  
Year: 1980  
Corporate Source/Institution: THE UNIVERSITY OF ARIZONA (0009)  
Source: VOLUME 41/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 740. 120 PAGES  
Descriptors: ECONOMICS, GENERAL  
Descriptor Codes: 0501

Decreasing block pricing refers to the practice of selling a product at successively lower marginal prices as the amount purchased in any one time period increases. In more familiar terms, this practice can be thought of as any quantity discount scheme as long as marginal price does not vary continuously with quantity. Decreasing block pricing results in a faceted, non-convex budget set, and under standard assumptions concerning consumer preferences, yields several nonstandard theoretical implications. The central goal of this paper is to formulate an estimation technique which is consistent with these implications.

When the budget set is not convex, the uniqueness of consumer equilibrium is no longer guaranteed. It also follows that discontinuities in demand occur whenever consumer equilibrium shifts from one facet of the budget constraint to another. Prior empirical studies have not made use of demand functions consistent with these results. In Chapter 2, a utility-maximizing algorithm was developed to determine consumer equilibrium given the declining block pricing schedule and income for a Cobb-Douglas utility function. In developing this algorithm, it was made clear that the proper approach for estimating individual demand was through the use of a block-dependent independent variable.

The coefficient of this block-dependent independent variable provided an estimate of a utility function parameter which completely specified the Cobb-Douglas form. Incorporating this utility function estimate into the utility-maximization algorithm made it possible to obtain

estimates of consumption given changes in any or all of the **rate** schedule components.

While the use of a block-dependent independent variable is the theoretically correct method for estimating demand, it poses an inescapable problem of errors-in-variables. A Monte Carlo study was performed in Chapter 2 to investigate, among other things, the seriousness of the errors-in-variables bias. The results were quite encouraging. When using data incorporating extremely large error variances, amazingly precise estimates were obtained. Another encouraging Monte Carlo result was when comparing samples not containing a discontinuity with those with one, it was found that the latter produced estimates with statistically significant superiority.

Chapter 3 generalized the estimation technique of the previous chapter to allow the estimation of demand using **cross**-sectional data. The **data base** recorded monthly electricity consumption for households from a number of cities whose utilities had decreasing block **rates**. Seven of these cities were selected for analysis. The data also included **various** demographic characteristics and electric appliance stock information. The generalization was accomplished by assuming that all households had a Stone-Geary utility function. Also, the utility function parameter representing the minimum required quantity of electricity was assumed to depend **linearly** on the household's appliance stock and demographic characteristics. This allowed demand to vary across households on the basis of this parameter and income.

The results of applying this regression technique to the cross-sectional data were then compared with results from a conventional, non-theoretically based demand specification. The data were used in pooled and individual month form with the former yielding much better statistical results. The Stone-Geary form provided a greater number of significant coefficients for price and income variables than the conventional version. The predominant failure of the conventional version was that the coefficient of marginal price was rarely significant and when significant, frequently of the wrong sign. For the same samples, the Stone-Geary results were quite acceptable except for the regressions involving one of the cities. Thus, it was demonstrated that a method consistent with the theoretical implications of decreasing block pricing is easily applied to cross-sectional data and produces better results than conventional techniques.

27/5/11 (Item 1 from file: 2)  
DIALOG(R) File 2:INSPEC  
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7069071 INSPEC Abstract Number: C2001-11-7120-076

**Title:** Mining the customer **credit** by using the **neural network** model with classification and regression **tree** approach

**Author(s):** Ling Jing Kao; Chih Chou Chiu

**Author Affiliation:** Dept. of Stat., Texas A&M Univ., College Station, TX, USA

**Conference Title:** Proceedings Joint 9th IFSA World Congress and 20th NAFIPS International Conference (Cat. No. 01TH8569) Part vol.2 p. 923-8 vol.2

**Editor(s):** Smith, M.H.; Gruver, W.A.; Hall, L.O.

**Publisher:** IEEE, Piscataway, NJ, USA

**Publication Date:** 2001 **Country of Publication:** USA 5 vol.(xxxviii+xxii+3100) pp.

**ISBN:** 0 7803 7078 3 **Material Identity Number:** XX-2001-01762

**U.S. Copyright Clearance Center Code:** 0-7803-7078-3/01/\$10.00

**Conference Title:** Proceedings Joint 9th IFSA World Congress and 20th NAFIPS International Conference

**Conference Sponsor:** Int. Fuzzy Syst. Assoc.; North American Fuzzy Inf. Process. Soc.; IEEE Syst. Man and Cybern. Soc.; IEEE Neural Networks Council

**Conference Date:** 25-28 July 2001 **Conference Location:** Vancouver, BC, Canada

**Medium:** Also available on CD-ROM in PDF format

Language: English Document Type: Conference Paper (PA)  
Treatment: Practical (P)

Abstract: A combination of **classification** and **regression** trees (CART) and neural network techniques is proposed to determine whether the predictive capability can be enhanced in a credit-scoring **model**. To demonstrate the effectiveness of the proposed approach, these techniques are applied to data from a large bank in Taiwan. In the neural network and the **combined model** approaches, the backpropagation learning technique, with **various** learning **rates**, was extensively studied to determine the connection weights between the neurons. The number of hidden neurons was also varied to determine its effect on the convergence **rate**. Our results indicate that the proposed **combined** approach predicts much more accurately and converges much faster than that the conventional CART method or the neural network approach. (23 Refs)

Subfile: C

Descriptors: backpropagation; bank data processing; convergence; credit transactions; **data mining**; neural nets; pattern **classification**; statistical analysis; trees (mathematics)

Identifiers: **customer** credit mining; neural network **model**; **classification**; **regression** trees; CART method; predictive capability; credit scoring **model**; Taiwanese bank; backpropagation learning technique; learning **rates**; neuron connection weights; hidden neurons; convergence **rate**

Class Codes: C7120 (Financial computing); C1160 (Combinatorial mathematics); C1250 (Pattern recognition); C5290 (Neural computing techniques); C6170K (Knowledge engineering techniques)

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27/5/12 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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6886415 INSPEC Abstract Number: C2001-05-7170-007

Title: CRM in a real-world insurance company

Author(s): Pedrazzi, G.; Turra, R.; Zanasi, A.

Author Affiliation: CINECA-Bologna KDD Center, Italy

Conference Title: Data Mining II. Second International Conference on Data Mining p.53-62

Editor(s): Ebecken, N.; Brebbia, C.A.

Publisher: WIT Press, Southampton, UK

Publication Date: 2000 Country of Publication: UK 631 pp.

ISBN: 1 85312 821 X Material Identity Number: XX-2000-00702

Conference Title: Proceedings of DATA MINING 2000 Data Mining Methods and Databases for Engineering, Finance and Other Fields

Conference Date: July 2000 Conference Location: Cambridge, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A)

Abstract: CRM (**customer** relationship management) is an iterative process that turns **customer** information into **customer** relationships. An important aspect of this involves the **customer** knowledge discovery process, which allows the identification, segmentation and behavioural prediction of the **customer** base. In this process, **data mining** is probably the best-known step. This paper presents a method for identifying the best prospects for a direct **marketing** campaign, consisting of the usage of two **different classification** techniques. The first one is based on demographic clustering and the **second** is based on neural network **models**; both of them are used against the prospect **database**. We applied this method to an insurance company **database**, using their **customers**' data in **order** to construct and verify the **models**. By comparing the results of the two analyses, we found that the two approaches almost always agreed in the selection of the prospects which are the best candidates for a particular policy. We show how the two techniques can be **combined** to improve the final result, by increasing understanding on the one hand, and by reducing uncertainty and **ranking** the selected prospects on the other. (6 Refs)

Subfile: C

Descriptors: data mining; insurance data processing; management

information systems; **marketing** data processing; pattern **classification**  
Identifiers: insurance company; **customer** relationship management;  
iterative process; **customer** information; **customer** knowledge discovery  
process; behavioural prediction; data mining; direct **marketing** campaign;  
**classification** techniques; demographic clustering; neural network models;  
prospect database; insurance policies; understanding; uncertainty reduction  
; prospect **ranking**  
Class Codes: C7170 (Marketing computing); C7120 (Financial computing);  
C6170K (Knowledge engineering techniques)  
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27/5/13 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6698353 INSPEC Abstract Number: B2000-10-6210R-038, C2000-10-5620W-054  
**Title: Interactive MPEG-4 low-bit- rate speech/audio transmission over the Internet**  
Author(s): Fang Liu; Jong Won Kim; Kuo, C.-C.J.  
Author Affiliation: Dept. of Electr. Eng. Syst., Univ. of Southern California, Los Angeles, CA, USA  
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3845 p.212-21  
Publisher: SPIE-Int. Soc. Opt. Eng,  
Publication Date: 1999 Country of Publication: USA  
CODEN: PSISDG ISSN: 0277-786X  
SICI: 0277-786X(1999)3845L:212:IMRS;1-K  
Material Identity Number: C574-2000-047  
U.S. Copyright Clearance Center Code: 0277-786X/99/\$10.00  
Conference Title: Multimedia Systems and Applications II  
Conference Sponsor: SPIE  
Conference Date: 20-22 Sept. 1999 Conference Location: Boston, MA, USA  
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Theoretical (T)  
Abstract: The MPEG-4 technology enables the coding and transmission of natural and synthetic audio-visual data in the form of objects. In an effort to extend the object-based functionality of MPEG-4 to real-time Internet applications, architectural prototypes of **multiplex** layer and transport layer tailored for transmission of MPEG-4 data over IP are under debate among Internet Engineering Task Force (IETF), and MPEG-4 systems **Ad Hoc** group. In this paper, we present an architecture for interactive MPEG-4 speech/audio transmission system over the Internet. It utilizes a framework of real time streaming protocol (RTSP) over real-time transport protocol (RTP) to provide controlled, on-demand delivery of real time speech/audio data. Based on a **client-server model**, a couple of low bit- **rate** bit streams (real-time speech/audio, pre-encoded speech/audio) are **multiplexed** and transmitted via a single RTP channel to the receiver. The MPEG-4 scene description (SD) and object descriptor (OD) bit streams are securely sent through the RTSP control channel. Upon receiving, an initial MPEG-4 audio-visual scene is constructed after de- **multiplexing**, decoding of bit streams, and scene **composition**. A receiver is allowed to manipulate the initial audio-visual scene presentation locally, or interactively arrange scene changes by sending requests to the server. A server may also choose to update the **client** with new streams and list of contents for user selection. (25 Refs)

Subfile: B C  
Descriptors: **client-server** systems; integrated voice/data communication ; interactive systems; Internet; multimedia communication; transport protocols  
Identifiers: interactive MPEG-4 low-bit- **rate** speech/audio transmission; audio-visual data; object-based functionality; real-time Internet applications; **multiplex** layer; transport layer; real time streaming protocol; RTSP; real-time transport protocol; on-demand delivery; **client-server** model; RTP channel; scene description; object descriptor; control channel; de-multiplexing; audio-visual scene presentation

Class Codes: B6210R (Multimedia communications); B6210L (Computer communications); B6150M (Protocols); C5620W (Other computer networks); C5640 (Protocols)

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27/5/14 (Item 4 from file: 2)

DIALOG(R) File 2:INSPEC

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6357415 INSPEC Abstract Number: C1999-10-6150N-097

**Title: Development of network programs for closed local networks**

Author(s): Efremov, Yu.N.

Journal: Kibernetika i Sistemnyi Analiz vol.34, no.6 p.170-6

Publisher: Plenum,

Publication Date: Nov.-Dec. 1998 Country of Publication: Ukraine

CODEN: KSANE9 ISSN: 1019-5262

SICI: 1019-5262(199811/12)34:6L:170;1-R

Material Identity Number: P784-1999-005

Translated in: Cybernetics and Systems Analysis vol.34, no.6 p.939-45

Publication Date: Nov.-Dec. 1998 Country of Publication: USA

CODEN: CYASEC ISSN: 1060-0396

SICI of Translation: 1060-0396(199811/12)34:6L:939:DNPC;1-M

U.S. Copyright Clearance Center Code: 1060-0396/98/3406-0939\$20.00

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** The complexity of creation of the software intended for use in local area networks (LANs) is related with the necessity of **simultaneous** access of **different clients** to the same **databases**, with the control over changes within a **database** when it is **simultaneously** used, and with the correctness of assembling, and also with the complexity of sorting and allocating the data coming from **different clients**. In **order** to solve the problem of creation of an effective network program, it is possible to use a number of systems based on the language SQL, which gives the possibility of forming structural inquiries to **databases**. An example of such a system is the ORACLE network **database** management system developed by the ORACLE company. This company is known for its projects in the field of creation of network **database** management systems. However, for the development of small economic or industrial applications exploited within the framework of a closed local network, the use of the ORACLE system or a similar one is not expedient because of its high cost and severe requirements on the computer parameters. In the paper, a number of technological expedients is proposed for the creation and justification of network programs, and also the possibility of using these expedients for a **model** enterprise example is considered. (11 Refs)

Subfile: C

Descriptors: **client** -server systems; database management systems; local area networks; software engineering

Identifiers: network programs; closed local networks; simultaneous access ; SQL; structural inquiries; ORACLE network; technological expedients; model enterprise

Class Codes: C6150N (Distributed systems software); C5620L (Local area networks); C6160 (Database management systems (DBMS)); C6110B (Software engineering techniques)

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27/5/15 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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6310068 INSPEC Abstract Number: C1999-09-6170K-032

**Title: The new face of fuzzy logic: a close shave with Occam's razor**

Author(s): Cox, E.

Author Affiliation: Metus Syst., Chapel Hill, NC, USA

Journal: PC AI vol.13, no.3 p.16-18

Publisher: Knowledge Technology,

Publication Date: May-June 1999 Country of Publication: USA



CODEN: PCAIE5 ISSN: 0894-0711

SICI: 0894-0711(199905/06)13:3L.16:FFLC;1-G

Material Identity Number: F457-1999-006

U.S. Copyright Clearance Center Code: 0894-0711/99/\$3.00+0.25

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** In **order** to see how fuzzy systems are emerging as crucially important business tools, we examine three actual applications. (1) A medical informatics company specializing in substance abuse treatment regimens for state and local governments built a Fuzzy Case-Based Reasoning system to deploy a computerized patient profiling and treatment system. (2) The **mergers** and acquisitions analysts of a New York metropolitan bank routinely search large public and private **databases** to find suitable candidates for their corporate **clients**. The criteria for selecting a candidate are often imprecise and subject to a fine grain interpretation by the analyst. In **order** to standardize the search vocabulary and provide the ability to search on the analyst's intent instead of a rigid boolean algebra, the bank implemented a fuzzy SQL processor. (3) Fuzzy logic's ability to easily deal with **multiple** experts, accumulate evidence, and handle contradictory information makes it the ideal **modeling** choice for expert and decision support systems. One particularly striking example of this is the new product pricing **model** developed for a large British **retailing** firm. (0 Refs)

Subfile: C

Descriptors: bank data processing; case-based reasoning; fuzzy logic; fuzzy set theory; medical administrative data processing; **retail** data processing; uncertainty handling

Identifiers: fuzzy logic; fuzzy systems; business tools; medical informatics company; substance abuse treatment regimens; Fuzzy Case-Based Reasoning system; computerized patient profiling; mergers and acquisitions analysts; New York metropolitan bank; corporate **clients**; search vocabulary; fuzzy SQL processor; multiple experts; contradictory information; decision support systems; product pricing model; large British **retailing** firm

Class Codes: C6170K (Knowledge engineering techniques); C7180 (Retailing and distribution computing); C7120 (Financial computing); C7140 (Medical administration); C1160 (Combinatorial mathematics); C4210 (Formal logic)

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27/5/16 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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6094917 INSPEC Abstract Number: C9901-7170-003

**Title:** Strategic marketing decisions using raw data, experts' knowledge and multicriteria methods

Author(s): Matsatsinis, N.F.; Samaras, A.P.; Hatzis, H.

Author Affiliation: Dept. of Production Eng., Tech. Univ. of Crete, Chania, Greece

Journal: Foundations of Computing and Decision Sciences vol.23, no.2 p.87-107

Publisher: Inst. Comput. Sci. Poznan Univ. Technol. Poland,

Publication Date: 1998 Country of Publication: Poland

CODEN: FCDSE8 ISSN: 0324-8747

SICI: 0324-8747(1998)23:2L.87:SMDU;1-V

Material Identity Number: P822-98003

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** The need to **combine** data and experts' knowledge in **order** to solve complex and ill-structured decision problems is a major concern in the modern **marketing** and management science. In this paper, the functionality of an intelligent decision support system, named MARKEK, is presented. The system acts as a consultant for **marketers**, providing visual support to enhance understanding and to overcome lack of expertise. MARKEK incorporates partial knowledge bases to support decision-makers in **different** stages of the product development process. The **databases** of the system are the results of **consumer** surveys, as well as financial

information of the enterprises involved in the decision making process. The system's **model** base encompasses statistical and data analysis, preference analysis, and **consumer** choice **models** . (26 Refs)

Subfile: C

Descriptors: database management systems; decision support systems; knowledge based systems; **marketing** data processing

Identifiers: strategic decision making; **marketing** ; decision support system; MARKEK; knowledge based system; databases; multicriteria decision making; **consumer** choice models; preference analysis

Class Codes: C7170 (Marketing computing); C7102 (Decision support systems); C6170K (Knowledge engineering techniques); C6160 (Database management systems (DBMS))

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27/5/17 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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5794302 INSPEC Abstract Number: C9802-7170-007

**Title: Using data and knowledge to support strategic marketing decisions**

Author(s): Matsatsinis, N.F.; Samaras, A.; Hatzis, H.

Author Affiliation: Decision Support Syst. Labs., Crete Univ., Heraklion, Greece

Conference Title: Advances in Intelligent Systems p.206-12

Editor(s): Morabito, F.C.

Publisher: IOS Press, Amsterdam, Netherlands

Publication Date: 1997 Country of Publication: Netherlands xv+546 pp.

ISBN: 90 5199 355 2 Material Identity Number: XX97-02177

Conference Title: Proceedings of ASME ISIS 97. International Symposium on Intelligent Systems

Conference Date: 1997 Conference Location: Reggio Calabria, Italy

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Economic aspects (E); General, Review (G)

Abstract: The need to **combine** data and expert knowledge in **order** to solve complex and ill-structured decision problems is a major concern in modern **marketing** and management science. The functionality of an intelligent decision support system, named MARKEK, is presented. The system acts as a consultant for **marketers** , providing visual support to enhance understanding and to overcome lack of expertise. MARKEK incorporates partial knowledge bases to support decision-makers in **different** stages of the product development process. The **databases** of the system are the results of **consumer** surveys, as well as financial information of the enterprises involved in the decision making process. The system's **model** base encompasses statistical analysis, preference analysis, and **consumer** choice **models** . (11 Refs)

Subfile: C

Descriptors: decision support systems; expert systems; financial data processing; management science; **marketing** data processing; problem solving; statistical analysis; strategic planning

Identifiers: expert knowledge; strategic **marketing** ; problem solving; management science; intelligent decision support system; MARKEK; visual support; partial knowledge bases; product development; financial information; decision making; statistical analysis; preference analysis; **consumer** choice models

Class Codes: C7170 (Marketing computing); C7102 (Decision support systems); C6170 (Expert systems); C7120 (Financial computing); C1140Z (Other topics in statistics)

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27/5/18 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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5131637 INSPEC Abstract Number: B9601-6210L-074, C9601-7420-045

**Title: Client -server based SCADA architectures**

Author(s): Shaw, W.T.

Author Affiliation: Tate Integrated Syst., Owings Mills, MD, USA  
Conference Title: Proceedings AM/FM International. Conference XVIII p.  
683-96

Publisher: AM & FM Int, Aurora, CO, USA

Publication Date: 1995 Country of Publication: USA xiii+1168 pp.

Conference Title: AM/FM International Conference XVIII

Conference Date: 20-23 March 1995 Conference Location: Baltimore, MD,  
USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The **client server model** suggests breaking complex, multifunctional programs into their functional components and establishing well defined protocols and interfaces for connecting the components together to attain the required results. In **many** cases, once a protocol is established between the component functions, these functions can be **placed** in physically **different** locations/computers and protocol messages relayed by a network. The **client server** concept of hardware and software design allow the physical distribution of equipment, information and software functions across LANs and WANs, thus providing options for creating SCADA systems which are more flexible and extensible than with traditional, "centralized" architectures. The **client server model** of software and system design is consistent with the current trends in "OPEN" architectures and **cross** vendor interoperability, especially in the areas of MMI, networking and **database** technologies. Using a **client server** architecture, particularly when transmit-by-exception data movements are implemented between **clients** and servers, enables WAN distribution of system components, as well as enabling peer linking of **multiple** SCADA systems. Old, **hierarchical** system structures, with huge, centralized, "data concentrator" SCADA systems, sitting above smaller, "slave" SCADA systems, are no longer a mandatory solution for multi SCADA system integration. (0 Refs)

Subfile: B C

Descriptors: **client** -server systems; open systems; SCADA systems; wide area networks

Identifiers: **client** server based SCADA architectures; **client** -server based SCADA architectures; **client** server model; protocol; component functions; SCADA systems; system design; cross vendor interoperability; MMI ; networking; database technologies; transmit by exception data movements; WAN distribution; peer linking; hierarchical system structures; data concentrator; multi SCADA system integration; transmit-by-exception

Class Codes: B6210L (Computer communications); C7420 (Control engineering computing); C5620L (Local area networks); C5620W (Other computer networks); C3210G (Data acquisition systems for control)

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27/5/19 (Item 9 from file: 2)

DIALOG(R) File 2:INSPEC

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03536825 INSPEC Abstract Number: B90008217, C90009353

**Title: MADE for interface circuits**

Author(s): Windal, M.

Author Affiliation: Mitec Design Centre, Brussels, Belgium

Journal: Journal of Semicustom ICs vol.6, no.2 p.19-26

Publication Date: Dec. 1988 Country of Publication: UK

CODEN: JSCIER ISSN: 0264-3375

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Product Review (R)

Abstract: The Mitec Analogue and Digital Engineering (MADE) environment is introduced, which **combines** mixed analogue and digital cells supported by a CAD environment. The **different** steps of a design cycle are managed in a **hierarchical** way, **integrated** around a central **database**. MADE supports two technologies optimised for interface application: (i) 3 or 2.4  $\mu$  m CMOS, which enables 12 V maximum operating voltage for high-performance analogue functions, and (ii) SBIMOS which enables 3  $\mu$  m CMOS digital processing circuitry to be mated with 40 V high voltage performance interface circuitry (bipolar-DMOS). These technologies have

been optimised to address **markets** such as telecommunication, automotive, industrial and **consumer** , which have annual growth **rates** up to 36%. Firstly the author describes the MADE organisation and the underlying design methodology. Then he looks at the three standard cell libraries presently available. Finally the power of the **integrated** system, which enables the designer to translate in silicon sophisticated mixed analogue and digital circuits in a semicustom approach, is demonstrated. (0 Refs)

Subfile: B C

Descriptors: application specific **integrated** circuits; BIMOS **integrated** circuits; circuit CAD; CMOS **integrated** circuits; digital **integrated** circuits; **linear integrated** circuits

Identifiers: Mietec system; mixed analogue/digital cells; **hierarchical** design cycle; HV circuitry; ASIC; MADE; interface circuits; Mietec Analogue and Digital Engineering; CAD environment; central **database** ; CMOS; SBIMOS; bipolar-DMOS; design methodology; standard cell libraries; **integrated** system; semicustom approach; 2.4 micron; 3 micron; 12 V; 40 V

Class Codes: B2570 (Semiconductor integrated circuits); B1130B (Computer-aided circuit analysis and design); B1265 (Digital electronics); B1290 (Special purpose electronic circuits); C7410D (Electronic engineering)

Numerical Indexing: size 2.4E-06 m; size 3.0E-06 m; voltage 1.2E+01 V; voltage 4.0E+01 V

27/5/20 (Item 1 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00616324 00IW12-011

**Automating internal workflow drives good e-business -- An in-house transactional model improves data flow and builds a framework for collaborative commerce**

Borck, James R

InfoWorld , December 4, 2000 , v22 n49 p61, 1 Page(s)

ISSN: 0199-6649

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Presents a primer on internal workflow automation. Reports that integral to enterprise participation in supply-chain partnerships and collaborative **marketplace** exchanges is an in-house transactional **model** that connects data across the organization, eliminates information bottlenecks, and ensures interoperability among business units. Says that moving toward an automated workflow requires **merging** the sundry in-house systems, such as **order** tracking, shipping, inventory, accounting, and billing. Mentions that connecting **multiple databases** and systems to pull off this feat of integration is a complex task that typically takes longer and costs more than initially anticipated. Explains that the benefits cost savings from streamlined operations, faster reaction t volatile **market** demands, and improved **customer** satisfaction. Includes a photo and a sidebar. (MEM)

Descriptors: Workflow; Task Automation; Electronic Commerce; Business ; Systems Integration; Enterprise Computing; Information Management

27/5/21 (Item 2 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00552627 99SP11-002

**Mine your own business -- How to turn data into knowledge that can help your company strike it rich**

Smith, Victoria Hall

Small Business Computing & Communications , November 1, 1999 , v4 n11 p60-64, 5 Page(s)

ISSN: 1523-3057

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Reports that due to the availability of powerful and affordable computers, combined with new data analysis techniques, data mining is available for even small businesses. Reports that data mining involves a semi-automated method of statistical analysis, modeling, improved database technologies, and artificial intelligence. Describes in detail the most major algorithms or tools for extracting data, including association (identify events that occur together and figure frequency), segmentation (group customers by how often, how many units, or where items are purchased), and classification (clustering or automatic grouping, or decision trees). Discusses the decision process on which techniques to use. Discusses the necessity for cleanness or consistency in the database to be mined. Says there should be a defined objective or focus to the project. Says it is important to save models that have worked. Includes one glossary and one sidebar. (bjp)

Descriptors: Data Warehousing; Small Business; Algorithm; Computer Instruction; Marketing; Business; Database

27/5/22 (Item 3 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00387970 95PK06-015

Client /server data-modeling products differentiate between user categories -- Inexpensive Vivid Clarity suited for department use; ERwin/ERX aimed at the enterprise

Gallagher, Bob; Mitchell, Lori

PC WEEK, June 5, 1995, v12 n22 p77-79, 2 Page(s)

ISSN: 0740-1604

Company Name: InTek Technologies; Logic Works

Product Name: Vivid Clarity; ERwin/ERX

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B; B

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows

Geographic Location: United States

Presents a favorable review of Vivid Clarity v1.0 (\$149), a client /server data-modeling tool from InTek Technologies Inc. of Atlanta, GA (800, 404), and of ERwin/ERX v2.1 (\$3,295), a c/s data-modeler from Logic Works Inc. of Princeton, NJ (800, 609). These run on IBM PC compatibles with Windows. Explains that Vivid Clarity is very inexpensive; it can drag and drop OLE objects; it offers a central storage area for project information; and it integrates with Powersoft Inc.'s PowerBuilder. However, notes that it lacks built-in reporting features, and provides minimal datab functionality support. States that ERwin/ERX supports many desk and server databases; and it can forward- and reverse-engineer databases. Calls ERwin/ERX an enterprise-caliber tool. However, complains that this tool can produce only unattractive, basic reports, and requires several steps to create basic data structures. Includes two screen displays, a buyers' advisory, one products scoreboard, and one sidebar. (jo)

Descriptors: Data Base Management; Modeling; Client-Server Computing; Software Review; Enterprise Computing; Report Generator; Window Software

Identifiers: Vivid Clarity; ERwin/ERX; InTek Technologies; Logic Works